

Converting Colors

XYZ(76.8248, 83.9301, 96.3524)

Have a look what the booklet for
XYZ(76.8248, 83.9301, 96.3524)
contains.

XYZ(76.7023, 83.9466, 96.1651)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(76.7023, 83.9466,
96.1651)**

Conversions

Conversions Part 1

Format	Color
Hex	DCF0F2
RGB	220, 240, 242
RGB Percent	86%, 94%, 95%
CMY	0.1372, 0.0588, 0.0510
CMYK	0.09, 0.01, 0.00, 0.05
HSL	185°, 46%, 91%
HSV	185°, 9%, 95%
XYZ	76.7023, 83.9466, 96.1651
YIQ	234.2480, -12.5620, -3.6180

Conversions

Conversions Part 2

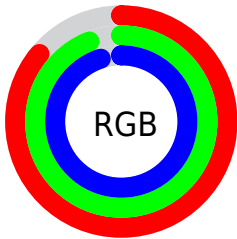
Format	Color
R _Y B	220, 230, 242
Decimal	14479602
CIE Lab	93.43, -6.16, -3.22
CIE LCh	93, 6.953, 207.596
Yxy	83.9466, 0.2987, 0.3269
Android (android.graphics.Color)	4292669682 (0xFFDC F0F2)
YUV	234.2480, 3.8217, -12.4955
Hunter-Lab	91.6224, -10.9067, 1.9060

Details

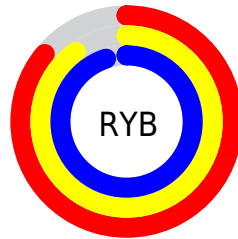
The XYZ color **76.7023, 83.9466, 96.1651** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **75.6579, 76.2867, 78.4488**, and the grayscale version is **78.3753, 82.4569, 89.7956**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **41.5205, 45.8255, 53.1112** is the 20% darker color. If you saturate the color by 10%, you get **69.2597, 79.1581, 95.6344**, and if you desaturate by 10%, it is **85.2178, 89.3044, 96.7518**.

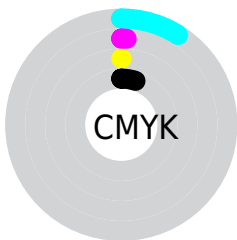
Distribution



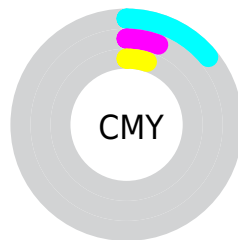
- Red (86%)
- Green (94%)
- Blue (95%)



- Red (86%)
- Yellow (90%)
- Blue (95%)



- Cyan (9%)
- Magenta (1%)
- Yellow (0%)
- Black (5%)



- Cyan (14%)
- Magenta (6%)
- Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 76.7023, 83.9466, 96.1651 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 76.7023, 83.9466, 96.1651 by changing the saturation by 10% instead.

■ 76.7023, 83.9466,
96.1651

■ 76.7023, 83.9466,
96.1651

472.6559,
508.1359, 568.9676

■ 57.3076, 62.9713,
72.5028

127.6942,
138.9005, 157.8827

■ 41.4934, 45.8180,
53.0802

160.0222,
173.6479, 196.7750

■ 28.8942, 32.1022,
37.4786

197.3920,
213.7548, 241.5812

■ 19.1447, 21.4396,
25.2796

240.1690,
259.6056, 292.7196

■ 11.8795, 13.4457,
16.0646

288.7186,
311.5848, 350.6090

■ 6.7333, 7.7362,
9.4150

343.4060,

■ 3.3407, 3.9266,

370.0766, 415.6677

4.9124

404.5967,
435.4655, 488.3144

■ 1.3364, 1.6326,
2.1381

■ 0.2102, 0.3794,
0.6383

■ 76.7023, 83.9466,
96.1651

■ 76.7023, 83.9466,
96.1651

■ 69.2597, 79.1581,
95.6344

■ 85.2178, 89.3044,
96.7518

■ 62.8374, 74.9048,
95.1519

■ 89.7377, 92.6118,
97.1519

■ 57.3891, 71.1652,
94.7173

■ 90.4039, 93.9442,
97.3740

■ 52.8622, 67.9121,
94.3280

■ 91.0780, 95.2924,
97.5987

■ 49.1991, 65.1158,
93.9813

■ 91.7601, 96.6565,
97.8260

■ 46.3355, 62.7431,
93.6742

■ 92.4501, 98.0365,
98.0560

■ 44.1984, 60.7562,
93.4033

■ 93.0273, 99.1909,
98.2484

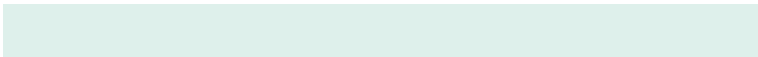
■ 42.7008, 59.1103,
93.1646

■ 41.7110, 57.7375,
92.9518

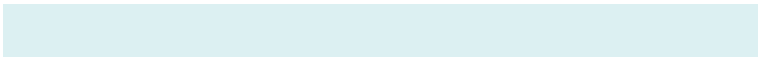
Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



76.3150, 83.9466, 90.9803



76.7023, 83.9466, 96.1651



77.9127, 83.9466, 100.2037

Triad

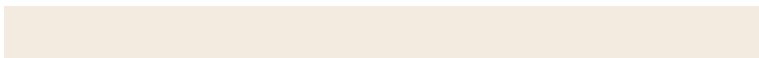
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



76.7023, 83.9466, 96.1651



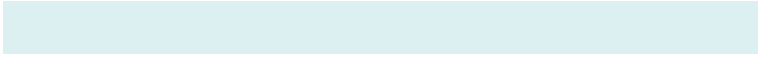
82.8050, 83.9466, 96.9266



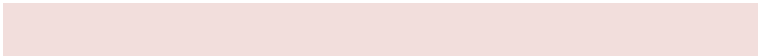
79.9368, 83.9466, 81.6743

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



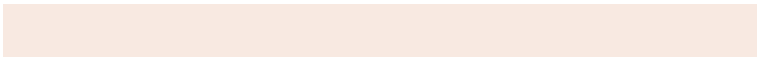
76.7023, 83.9466, 96.1651



75.6579, 76.2867, 78.4488

Split Complementary

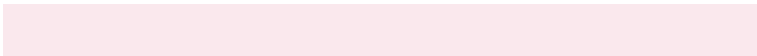
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



81.6946, 83.9466, 83.1344



76.7023, 83.9466, 96.1651



83.3663, 83.9466, 91.8281

Square

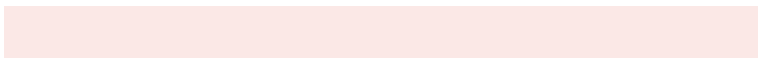
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



76.7023, 83.9466, 96.1651



81.4344, 83.9466, 100.6550



82.9569, 83.9466, 86.8019



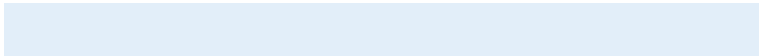
78.1653, 83.9466, 82.7371

Rectangle

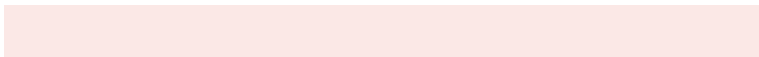
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



76.7023, 83.9466, 96.1651



79.0332, 83.9466, 101.6326



82.9569, 83.9466, 86.8019



80.5491, 83.9466, 81.8850

Sweetspot

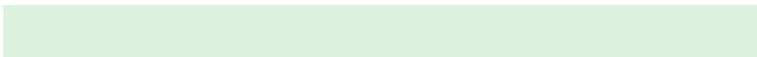
The Sweet Spot groups the original color and five complimentary colors.



76.7047, 83.9501, 96.1670



92.0703, 98.1357, 108.6972



74.4312, 83.9863, 81.2796



19.5404, 20.9006, 23.2543



0.0000, 0.0000, 0.0000



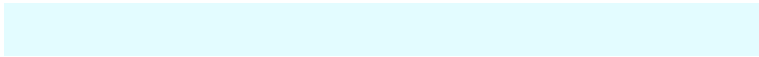
20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



76.7047, 83.9501, 96.1670



84.6661, 93.4494, 108.1829



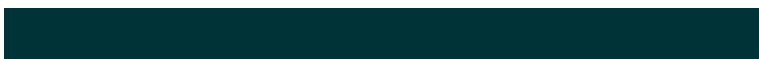
73.6091, 77.7588, 95.1351



16.1176, 17.6693, 20.2826



22.4173, 31.0588, 49.9413



1.9005, 2.6549, 4.1665

Inverse Universe

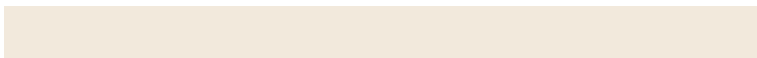
The Inverse Universe completely reimagines the original color for something new.



77.9412, 76.3566, 93.0725



86.3382, 83.2279, 103.9876



78.6293, 82.2295, 79.4392



16.3888, 16.0052, 19.6036



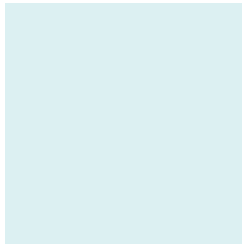
26.6408, 12.9288, 37.6207



2.2342, 1.0827, 3.2242

Previews

White Background



This preview shows how the XYZ color 76.7023, 83.9466, 96.1651 looks on a white background.

Color Contrast Check

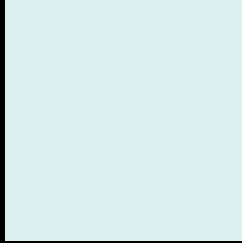
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 76.7023, 83.9466, 96.1651 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

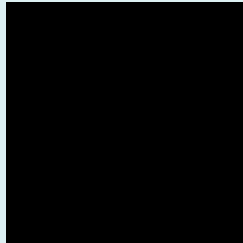
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

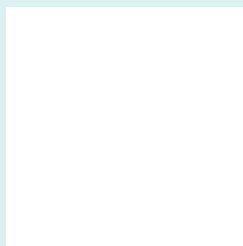
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 76.7023, 83.9466, 96.1651

Background



This preview shows how black text looks on a background with the XYZ color 76.7023, 83.9466, 96.1651.



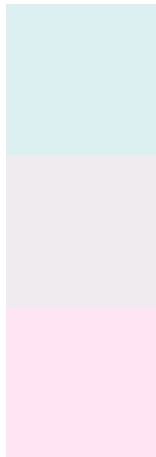
This preview shows how white text looks on a background with the XYZ color 76.7023, 83.9466,

96.1651.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

76.7023, 83.9466, 96.1651

Protanopia

80.8849, 83.9994, 93.6118

Deuteranopia

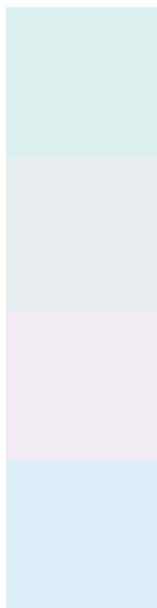
85.5884, 83.8303, 97.2578



Tritanopia

79.3650, 84.2164, 106.6801

Trichromacy



Original Color

76.7023, 83.9466, 96.1651

Protanomaly

79.2911, 84.0154, 94.4756

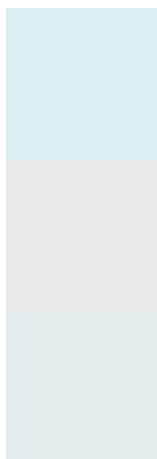
Deuteranomaly

81.9345, 83.6261, 96.6171

Tritanomaly

78.5532, 84.3231, 102.5783

Monochromacy



Original Color

76.7023, 83.9466, 96.1651

Achromatopsia

78.2058, 82.2786, 89.6014

Achromatomaly

77.5946, 82.7633, 92.0060

CSS Examples

Text

The CSS property to change the color of the text to XYZ 76.7023, 83.9466, 96.1651 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(220, 240, 242)` looks like.

```
.text, #text, p{  
    color:rgb(220, 240, 242)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(220, 240, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 240, 242) }
```

Border

The CSS property to change the border of an element to XYZ 76.7023, 83.9466, 96.1651 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(220, 240, 242) }
```


If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(220, 240, 242) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(220, 240, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 240, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 240, 242);  
box-shadow:4px 4px 4px 4px rgb(220, 240,  
242) }
```

Background

The CSS property to change the background color of an element to XYZ 76.7023, 83.9466, 96.1651 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 240, 242) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(220,  
240, 242) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor