

Converting Colors

XYZ(77.0989, 84.0253, 97.0284)

Have a look what the booklet for
XYZ(77.0989, 84.0253, 97.0284)
contains.

XYZ(77.1565, 84.1634, 96.9726)	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(77.1565, 84.1634,
96.9726)**

Conversions

Conversions Part 1

Format	Color
Hex	DDF0F3
RGB	221, 240, 243
RGB Percent	87%, 94%, 95%
CMY	0.1333, 0.0588, 0.0471
CMYK	0.09, 0.01, 0.00, 0.05
HSL	188°, 48%, 91%
HSV	188°, 9%, 95%
XYZ	77.1565, 84.1634, 96.9726
YIQ	234.6610, -12.2870, -3.0950

Conversions

Conversions Part 2

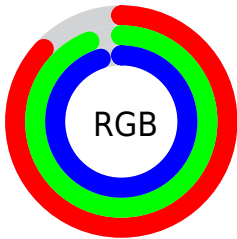
Format	Color
R _Y B	221, 231, 243
Decimal	14545139
CIE Lab	93.52, -5.65, -3.59
CIE LCh	94, 6.697, 212.459
Yxy	84.1634, 0.2987, 0.3258
Android (android.graphics.Color)	4292735219 (0xFFDDDF0F3)
YUV	234.6610, 4.1111, -11.9807
Hunter-Lab	91.7406, -10.4224, 1.5471

Details

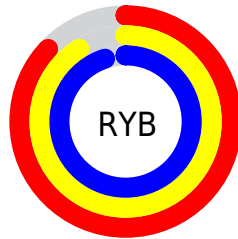
The XYZ color **77.1565, 84.1634, 96.9726** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **76.6692, 77.5858, 79.3425**, and the grayscale version is **78.6863, 82.7842, 90.1519**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **41.8360, 45.9758, 53.6829** is the 20% darker color. If you saturate the color by 10%, you get **69.3220, 78.6936, 96.3311**, and if you desaturate by 10%, it is **86.0845, 90.2279, 97.6739**.

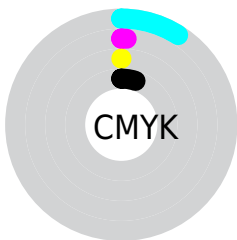
Distribution



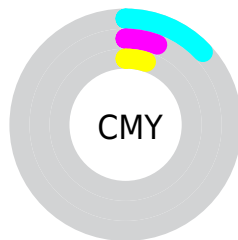
- Red (87%)
- Green (94%)
- Blue (95%)



- Red (87%)
- Yellow (91%)
- Blue (95%)



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



- Cyan (13%)
- Magenta (6%)
- Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 77.1565, 84.1634, 96.9726 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 77.1565, 84.1634, 96.9726 by changing the saturation by 10% instead.

■ 77.1565, 84.1634,
96.9726

■ 77.1565, 84.1634,
96.9726

474.1812,
508.8557, 571.6058

■ 57.6817, 63.1504,
73.1719

128.3320,
139.2037, 159.0060

■ 41.7951, 45.9629,
53.6239

160.7635,
173.9998, 198.0758

■ 29.1313, 32.2165,
37.9099

198.2446,
214.1590, 243.0723

■ 19.3249, 21.5269,
25.6115

241.1406,
260.0657, 294.4142

■ 12.0107, 13.5097,
16.3101

289.8169,
312.1043, 352.5200

■ 6.8232, 7.7805,
9.5871

344.6388,

■ 3.3971, 3.9548,

370.6593, 417.8081

5.0241

405.9718,
436.1149, 490.6972

■ 1.3671, 1.6483,
2.2024

■ 0.2326, 0.3898,
0.6758

■ 77.1565, 84.1634,
96.9726

■ 77.1565, 84.1634,
96.9726

■ 69.3220, 78.6936,
96.3311

■ 86.0845, 90.2279,
97.6739

■ 62.5278, 73.7841,
95.7415

■ 90.5640, 94.0233,
98.1704

■ 56.7271, 69.4128,
95.2035

■ 91.5830, 96.0614,
98.5101

■ 51.8668, 65.5523,
94.7145

■ 92.6202, 98.1357,
98.8558

■ 47.8885, 62.1723,
94.2718

■ 93.1779, 99.2512,
99.0417

■ 44.7273, 59.2392,
93.8723

■ 42.3094, 56.7148,
93.5124

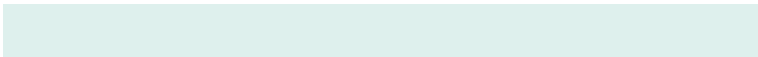
■ 40.5469, 54.5537,
93.1882

■ 39.3075, 52.6875,
92.8933

Harmonies

Analogous

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



76.6415, 84.1634, 92.0586



77.1565, 84.1634, 96.9726



78.4310, 84.1634, 100.5594

Triad

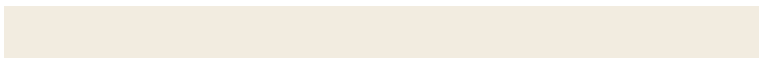
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



77.1565, 84.1634, 96.9726



83.0515, 84.1634, 96.2221



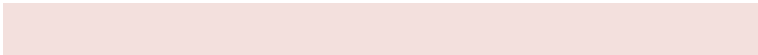
79.8488, 84.1634, 82.2398

Complementary

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



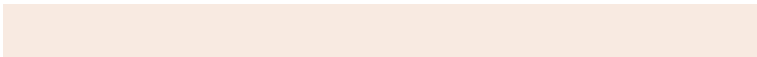
77.1565, 84.1634, 96.9726



76.6692, 77.5858, 79.3425

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.



81.5793, 84.1634, 83.2636



77.1565, 84.1634, 96.9726



83.4445, 84.1634, 91.2219

Square

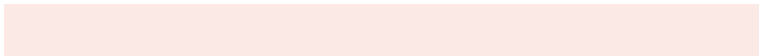
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



77.1565, 84.1634, 96.9726



81.8359, 84.1634, 100.1150



82.9018, 84.1634, 86.5059



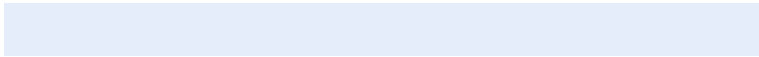
78.1815, 84.1634, 83.6566

Rectangle

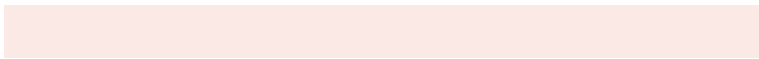
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



77.1565, 84.1634, 96.9726



79.5488, 84.1634, 101.6490



82.9018, 84.1634, 86.5059



80.4424, 84.1634, 82.3099

Sweetspot

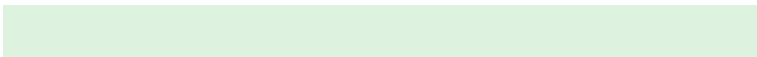
The Sweet Spot groups the original color and five complimentary colors.



77.1589, 84.1669, 96.9745



91.9598, 97.9149, 108.6604



75.3162, 84.8529, 82.8835



19.5105, 20.8407, 23.2443



0.0000, 0.0000, 0.0000



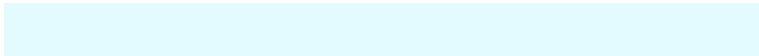
20.3446, 21.4041, 23.3091

Same Dimension

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



77.1589, 84.1669, 96.9745



84.2661, 92.6495, 108.0496



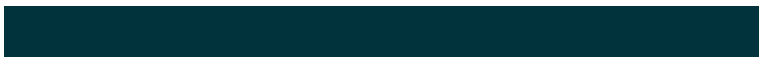
74.0355, 77.9201, 95.9333



16.7930, 18.3503, 21.1994



21.5883, 28.9705, 50.9921



1.9495, 2.6504, 4.4991

Inverse Universe

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



78.5486, 77.0604, 93.1765



86.1363, 83.1472, 102.9245



79.7038, 83.6550, 80.3541



17.1108, 16.7272, 20.3303



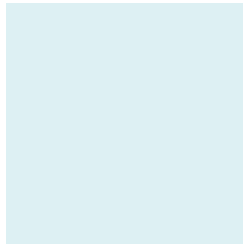
26.7013, 13.0240, 34.7311



2.3731, 1.1552, 3.1910

Previews

White Background



This preview shows how the XYZ color 77.1565, 84.1634, 96.9726 looks on a white background.

Color Contrast Check

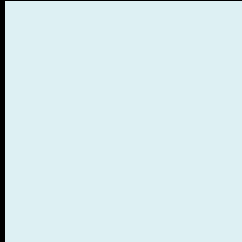
Large Text (above 18pt) WCAG AA × Fail

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 77.1565, 84.1634, 96.9726 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

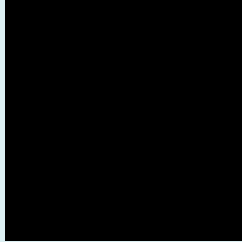
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

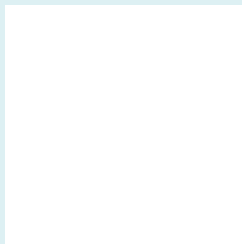
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 77.1565, 84.1634, 96.9726

Background



This preview shows how black text looks on a background with the XYZ color 77.1565, 84.1634, 96.9726.



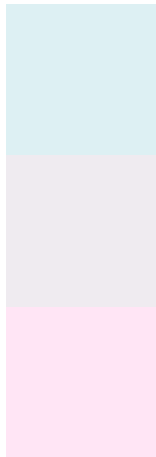
This preview shows how white text looks on a background with the XYZ color 77.1565, 84.1634,

96.9726.

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



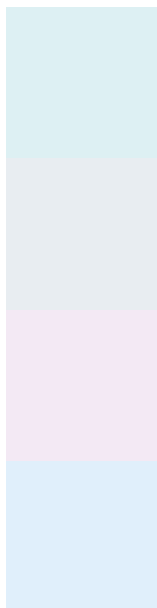
Original Color
77.1565, 84.1634, 96.9726
Protanopia
81.0331, 84.0587, 94.3921
Deuteranopia
85.7407, 83.8912, 98.0598



Tritanopia

79.6759, 84.3766, 106.6947

Trichromacy



Original Color

77.1565, 84.1634, 96.9726

Protanomaly

79.4401, 84.0751, 95.2603

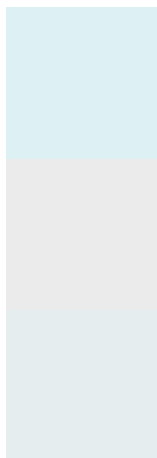
Deuteranomaly

82.4302, 83.8642, 97.4308

Tritanomaly

79.0196, 84.5453, 103.4209

Monochromacy



Original Color

77.1565, 84.1634, 96.9726

Achromatopsia

78.9647, 83.0770, 90.4708

Achromatomaly

78.3499, 83.5644, 92.8890

CSS Examples

Text

The CSS property to change the color of the text to XYZ 77.1565, 84.1634, 96.9726 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(221, 240, 243)` looks like.

```
.text, #text, p{  
    color:rgb(221, 240, 243)  
}
```

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(221, 240, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 240, 243) }
```

Border

The CSS property to change the border of an element to XYZ 77.1565, 84.1634, 96.9726 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(221, 240, 243) }
```


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

```
.border{ border-color:rgb(221, 240, 243) }
```

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

Here you see how a box with a 4 pixel `rgb(221, 240, 243)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 240, 243); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 240, 243);  
box-shadow:4px 4px 4px 4px rgb(221, 240,  
243) }
```

Background

The CSS property to change the background color of an element to XYZ 77.1565, 84.1634, 96.9726 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 240, 243) }
```

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

```
.background{ background-color: rgb(221,  
240, 243) }
```

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](#).

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