

Converting Colors

XYZ(76.5729, 83.2888,
100.8498)

Have a look what the booklet for
XYZ(76.5729, 83.2888, 100.8498)
contains.

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Color

**XYZ(76.7232, 83.4157,
100.8640)**

Conversions

Conversions Part 1

Format	Color
Hex	DAEFF8
RGB	218, 239, 248
RGB Percent	85%, 94%, 97%
CMY	0.1451, 0.0627, 0.0274
CMYK	0.12, 0.04, 0.00, 0.03
HSL	198°, 68%, 91%
HSV	198°, 12%, 97%
XYZ	76.7232, 83.4157, 100.8640
YIQ	233.7470, -15.4050, -1.6530

Conversions

Conversions Part 2

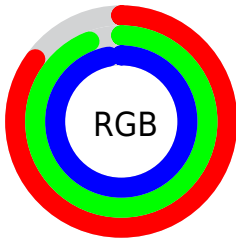
Format	Color
R _Y B	218, 230, 248
Decimal	14348280
CIE Lab	93.20, -5.12, -6.70
CIE LCh	93, 8.431, 232.577
Yxy	83.4157, 0.2940, 0.3196
Android (android.graphics.Color)	4292538360 (0xFFDAEFF8)
YUV	233.7470, 7.0267, -13.8101
Hunter-Lab	91.3322, -9.8832, -1.5452

Details

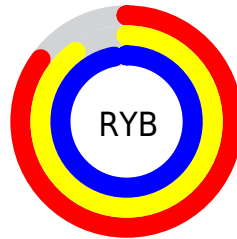
The XYZ color **76.7232, 83.4157, 100.8640** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **78.8359, 79.9563, 77.6092**, and the grayscale version is **77.9743, 82.0351, 89.3362**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **41.5522, 45.4593, 56.4537** is the 20% darker color. If you saturate the color by 10%, you get **67.7225, 75.6117, 99.8334**, and if you desaturate by 10%, it is **86.9280, 91.9779, 101.9801**.

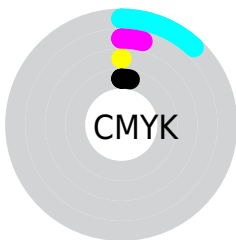
Distribution



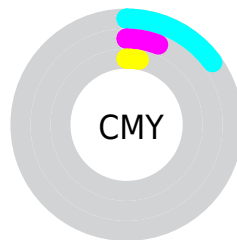
- Red (85%)
- Green (94%)
- Blue (97%)



- Red (85%)
- Yellow (90%)
- Blue (97%)



- Cyan (12%)
- Magenta (4%)
- Yellow (0%)
- Black (3%)



- Cyan (15%)
- Magenta (6%)
- Yellow (3%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 76.7232, 83.4157, 100.8640 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 76.7232, 83.4157, 100.8640 by changing the saturation by 10% instead.

■ 76.7232, 83.4157,
100.8640

■ 76.7232, 83.4157,
100.8640

472.7262,
506.3709, 584.2295

■ 57.3249, 62.5331,
76.4014

127.7236,
138.1575, 164.4062

■ 41.5073, 45.4636,
56.2531

160.0564,
172.7856, 204.3229

■ 28.9051, 31.8228,
40.0005

197.4313,
212.7643, 250.2281

■ 19.1530, 21.2262,
27.2252

240.2138,
258.4780, 302.5402

■ 11.8855, 13.2894,
17.5085

288.7691,
310.3111, 361.6779

■ 6.7374, 7.6281,
10.4319

343.4628,

■ 3.3433, 3.8579,

368.6480, 428.0597

5.5769

404.6600,
433.8732, 502.1040

■ 1.3378, 1.5944,
2.5250

■ 0.2112, 0.3538,
0.8533

■ 76.7232, 83.4157,
100.8640

■ 76.7232, 83.4157,
100.8640

■ 67.7225, 75.6117,
99.8334

■ 86.9280, 91.9779,
101.9801

■ 59.8684, 68.5280,
98.8800

■ 93.5872, 98.8447,
102.9546

■ 53.1095, 62.1386,
98.0030

■ 93.9435, 99.5574,
103.0734

■ 47.3874, 56.4120,
97.1992

■ 42.6378, 51.3132,
96.4654

■ 38.7889, 46.8036,
95.7978

■ 35.7580, 42.8388,
95.1923

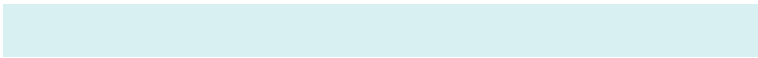
■ 33.4459, 39.3658,
94.6438

■ 32.0080, 36.9063,
94.2448

Harmonies

Analogous

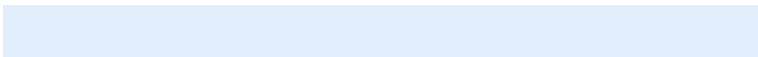
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



75.4150, 83.4157, 95.5908



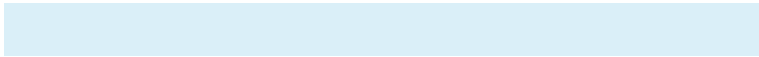
76.7232, 83.4157, 100.8640



78.7350, 83.4157, 103.4697

Triad

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



76.7232, 83.4157, 100.8640



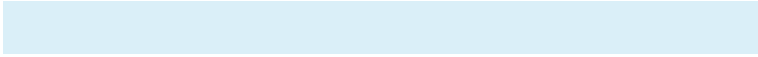
83.5842, 83.4157, 92.4111



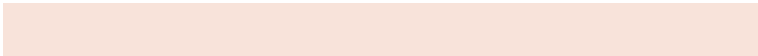
77.6597, 83.4157, 80.0187

Complementary

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



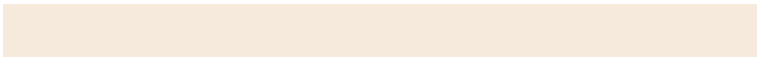
76.7232, 83.4157, 100.8640



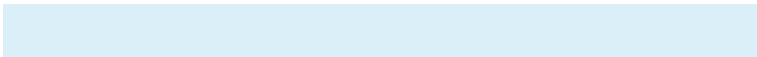
78.8359, 79.9563, 77.6092

Split Complementary

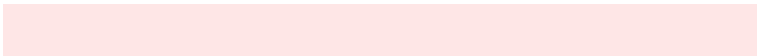
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



79.8358, 83.4157, 79.2558



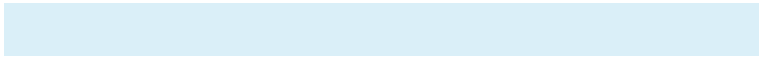
76.7232, 83.4157, 100.8640



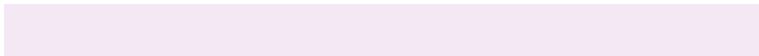
83.2834, 83.4157, 86.2213

Square

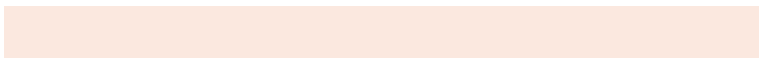
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



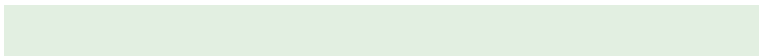
76.7232, 83.4157, 100.8640



82.7159, 83.4157, 98.4438



81.9014, 83.4157, 81.4762



75.9486, 83.4157, 83.6108

Rectangle

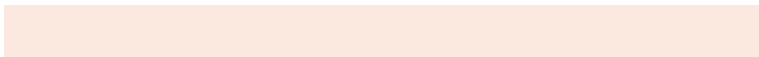
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



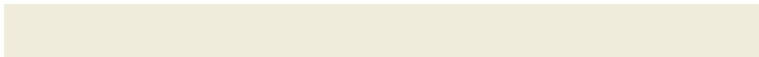
76.7232, 83.4157, 100.8640



80.2154, 83.4157, 103.2620



81.9014, 83.4157, 81.4762



78.3601, 83.4157, 79.4299

Sweetspot

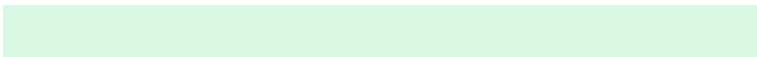
The Sweet Spot groups the original color and five complimentary colors.



76.7256, 83.4192, 100.8659



90.4284, 96.1804, 108.4063



76.2785, 87.5601, 85.1937



19.1744, 20.4360, 23.1839



0.0000, 0.0000, 0.0000



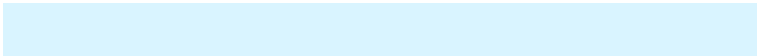
20.3446, 21.4041, 23.3091

Same Dimension

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



76.7256, 83.4192, 100.8659



78.8002, 86.3519, 107.1221



72.6484, 75.2648, 99.5068



17.3007, 18.6782, 22.0787



17.4191, 20.1938, 50.9533



1.7060, 2.0557, 4.7501

Inverse Universe

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



79.3647, 76.3330, 92.2161



82.2462, 77.2600, 95.7915



82.9712, 88.2269, 78.9876



17.7583, 17.4307, 20.5830



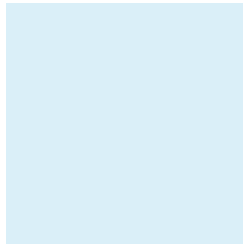
25.0844, 12.4495, 22.9506



2.3700, 1.1718, 2.3721

Previews

White Background



This preview shows how the XYZ color 76.7232, 83.4157, 100.8640 looks on a white background.

Color Contrast Check

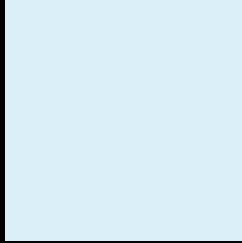
Large Text (above 18pt) WCAG AA × Fail

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 76.7232, 83.4157, 100.8640 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

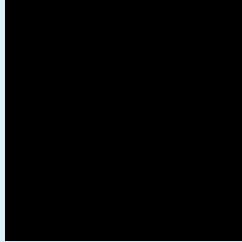
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 76.7232, 83.4157, 100.8640

Background



This preview shows how black text looks on a background with the XYZ color 76.7232, 83.4157, 100.8640.



This preview shows how white text looks on a background with the XYZ color 76.7232, 83.4157,

100.8640.

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

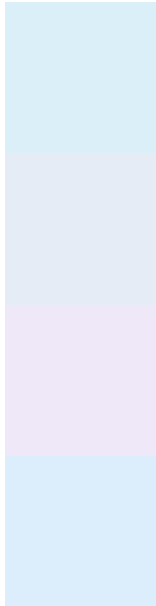




Tritanopia

78.1530, 83.1605, 106.5402

Trichromacy



Original Color

76.7232, 83.4157, 100.8640

Protanomaly

78.9431, 83.3027, 99.1071

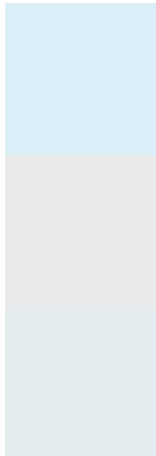
Deuteranomaly

81.5521, 82.9035, 101.3263

Tritanomaly

77.6604, 83.3930, 104.0988

Monochromacy



Original Color

76.7232, 83.4157, 100.8640

Achromatopsia

78.2058, 82.2786, 89.6014

Achromatomaly

77.5703, 82.7169, 93.5389

CSS Examples

Text

The CSS property to change the color of the text to XYZ 76.7232, 83.4157, 100.8640 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(218, 239, 248)` looks like.

```
.text, #text, p{  
    color:rgb(218, 239, 248)  
}
```

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(218, 239, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 239, 248) }
```

Border

The CSS property to change the border of an element to XYZ 76.7232, 83.4157, 100.8640 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(218, 239, 248) }
```


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

```
.border{ border-color:rgb(218, 239, 248) }
```

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

Here you see how a box with a 4 pixel `rgb(218, 239, 248)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(218, 239, 248); -webkit-box-  
shadow:4px 4px 4px 4px rgb(218, 239, 248);  
box-shadow:4px 4px 4px 4px rgb(218, 239,  
248) }
```

Background

The CSS property to change the background color of an element to XYZ 76.7232, 83.4157, 100.8640 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 239, 248) }
```

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

```
.background{ background-color: rgb(218,  
239, 248) }
```

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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