

Converting Colors

XYZ(78.5467, 85.8531, 96.5930)

Have a look what the booklet for
XYZ(78.5467, 85.8531, 96.5930)
contains.

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Color

**XYZ(78.5196, 85.7624,
96.4198)**

Conversions

Conversions Part 1

Format	Color
Hex	E0F2F2
RGB	224, 242, 242
RGB Percent	88%, 95%, 95%
CMY	0.1216, 0.0510, 0.0510
CMYK	0.07, 0.00, 0.00, 0.05
HSL	180°, 41%, 91%
HSV	180°, 7%, 95%
XYZ	78.5196, 85.7624, 96.4198
YIQ	236.6180, -10.7280, -3.8160

Conversions

Conversions Part 2

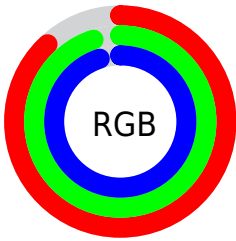
Format	Color
R _Y B	224, 233, 242
Decimal	14742258
CIE _{Lab}	94.21, -5.89, -2.04
CIE _{LCh}	94, 6.234, 199.096
Y _{xy}	85.7624, 0.3012, 0.3290
Android (android.graphics.Color)	4292932338 (0xFFE0F2F2)
Y _{UV}	236.6180, 2.6533, -11.0660
Hunter-Lab	92.6080, -10.7191, 3.0952

Details

The XYZ color **78.5196, 85.7624, 96.4198** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **76.7313, 77.5726, 81.4538**, and the grayscale version is **80.1908, 84.3670, 91.8757**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **42.7840, 47.0980, 53.2902** is the 20% darker color. If you saturate the color by 10%, you get **71.5466, 82.1701, 96.0913**, and if you desaturate by 10%, it is **86.5650, 89.9122, 96.8021**.

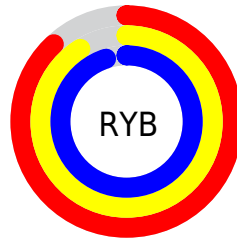
Distribution



Red (88%)

Green (95%)

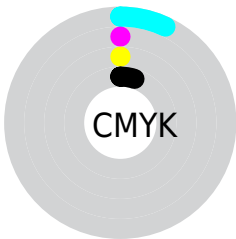
Blue (95%)



Red (88%)

Yellow (91%)

Blue (95%)

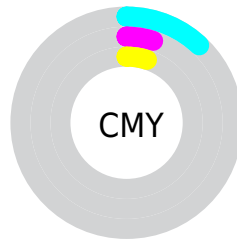


Cyan (7%)

Magenta (0%)

Yellow (0%)

Black (5%)



Cyan (12%)

Magenta (5%)

Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 78.5196, 85.7624, 96.4198 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 78.5196, 85.7624, 96.4198 by changing the saturation by 10% instead.

78.5196, 85.7624,
96.4198

78.5196, 85.7624,
96.4198

478.7425,
514.1474, 569.8004

58.8052, 64.4715,
72.7138

130.2438,
141.4379, 158.2371

42.7021, 47.0327,
53.2516

162.9844,
176.5913, 197.1855

29.8449, 33.0615,
37.6146

200.7976,
217.1343, 242.0517

19.8684, 22.1736,
25.3842

244.0490,
263.4513, 293.2545

12.4071, 13.9845,
16.1419

293.1038,
315.9267, 351.2121

7.0958, 8.1099,
9.4692

348.3274,

3.5689, 4.1653,

374.9450, 416.3433

4.9475

410.0852,
440.8904, 489.0666

■ 1.4613, 1.7665,
2.1583

■ 0.2993, 0.4661,
0.6501

■ 78.5196, 85.7624,
96.4198

■ 78.5196, 85.7624,
96.4198

■ 71.5466, 82.1701,
96.0913

■ 86.5650, 89.9122,
96.8021

■ 65.5938, 79.1015,
95.8087

■ 89.0226, 91.1791,
96.9211

■ 60.6156, 76.5352,
95.5717

■ 89.0233, 91.1794,
96.9251

■ 56.5601, 74.4446,
95.3779

■ 89.0241, 91.1797,
96.9291

■ 53.3706, 72.8004,
95.2247

■ 89.0249, 91.1800,
96.9332

■ 50.9842, 71.5702,
95.1090

■ 89.0256, 91.1803,
96.9372

■ 49.3293, 70.7172,
95.0276

■ 89.0264, 91.1806,
96.9412

■ 48.3220, 70.1980,
94.9764

■ 89.0272, 91.1809,
96.9452

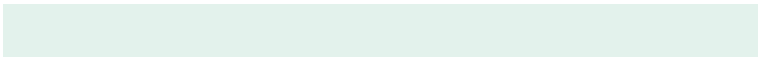
■ 47.8517, 69.9557,
94.9504

■ 89.0279, 91.1812,
96.9493

Harmonies

Analogous

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



78.4039, 85.7624, 91.6530



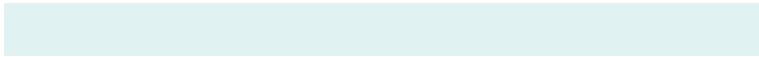
78.5196, 85.7624, 96.4198



79.4314, 85.7624, 100.5006

Triad

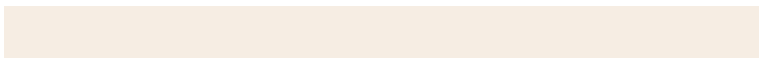
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



78.5196, 85.7624, 96.4198



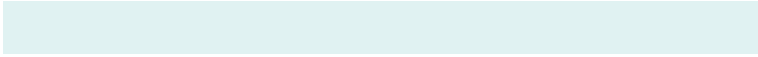
83.9642, 85.7624, 99.5286



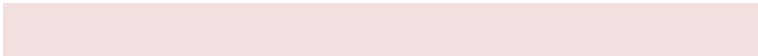
82.1231, 85.7624, 84.6438

Complementary

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



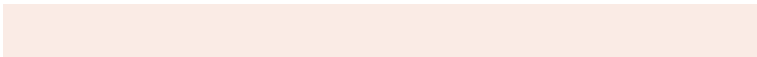
78.5196, 85.7624, 96.4198



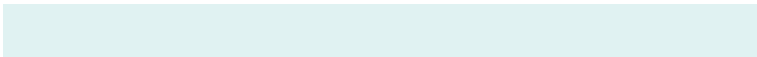
76.7313, 77.5726, 81.4538

Split Complementary

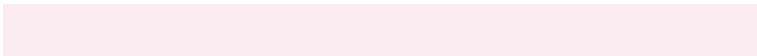
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



83.6339, 85.7624, 86.6052



78.5196, 85.7624, 96.4198



84.7065, 85.7624, 95.1299

Square

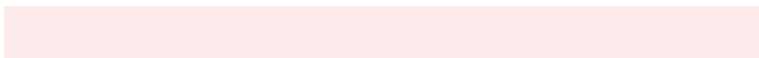
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



78.5196, 85.7624, 96.4198



82.5690, 85.7624, 102.3374



84.5848, 85.7624, 90.4061



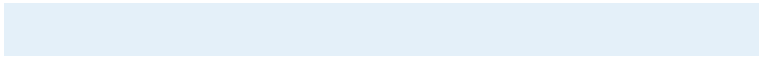
80.4692, 85.7624, 84.9625

Rectangle

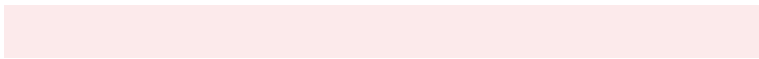
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



78.5196, 85.7624, 96.4198



80.3750, 85.7624, 102.2320



84.5848, 85.7624, 90.4061



82.6649, 85.7624, 85.0556

Sweetspot

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



78.5221, 85.7660, 96.4217



93.1983, 99.0455, 108.8124



76.0427, 84.7850, 82.8795



19.9677, 21.2098, 23.2913



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.



78.5221, 85.7660, 96.4217



87.1042, 95.9039, 108.5241



75.9938, 80.7086, 95.5818



16.2473, 17.9289, 20.3251



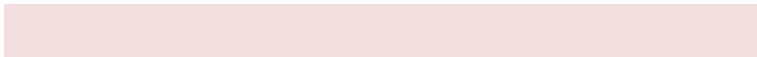
25.6633, 37.5573, 51.0034



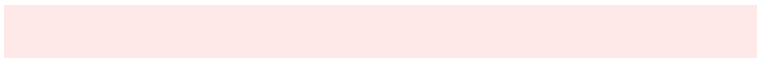
2.1350, 3.1244, 4.2433

Inverse Universe

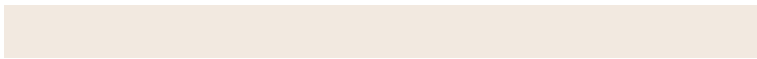
The Inverse Universe completely reimagines the original color for something new.



76.7313, 77.5726, 81.4538



84.6840, 84.8307, 88.2954



79.1297, 82.3703, 82.2507



15.7730, 15.7589, 16.3609



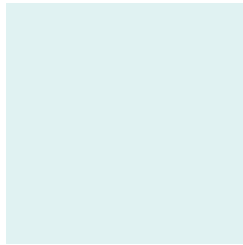
19.6717, 10.1411, 0.9217



1.6365, 0.8437, 0.0769

Previews

White Background



This preview shows how the XYZ color 78.5196, 85.7624, 96.4198 looks on a white background.

Color Contrast Check

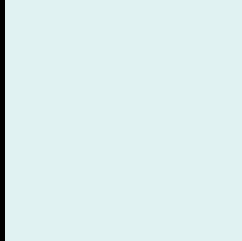
Large Text (above 18pt) WCAG AA × Fail

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 78.5196, 85.7624, 96.4198 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

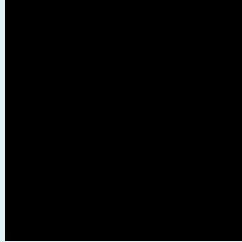
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

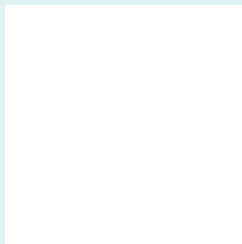
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 78.5196, 85.7624, 96.4198

Background



This preview shows how black text looks on a background with the XYZ color 78.5196, 85.7624, 96.4198.



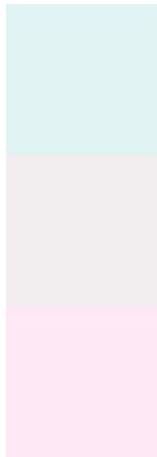
This preview shows how white text looks on a background with the XYZ color 78.5196, 85.7624,

96.4198.

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

78.5196, 85.7624, 96.4198

Protanopia

82.4821, 85.6776, 93.8515

Deuteranopia

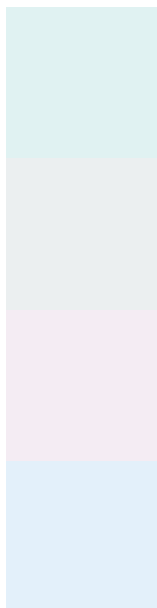
86.2743, 85.4443, 96.7393



Tritanopia

81.2296, 85.6110, 106.8511

Trichromacy



Original Color

78.5196, 85.7624, 96.4198

Protanomaly

80.8556, 85.6864, 94.7157

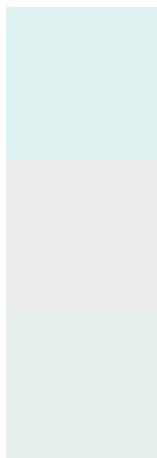
Deuteranomaly

83.4813, 85.6951, 96.9349

Tritanomaly

80.0940, 85.5532, 102.7345

Monochromacy



Original Color

78.5196, 85.7624, 96.4198

Achromatopsia

80.4953, 84.6873, 92.2245

Achromatomaly

79.7252, 85.1208, 93.8893

CSS Examples

Text

The CSS property to change the color of the text to XYZ 78.5196, 85.7624, 96.4198 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(224, 242, 242)` looks like.

```
.text, #text, p{  
    color:rgb(224, 242, 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(224, 242, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 242, 242) }
```

Border

The CSS property to change the border of an element to XYZ 78.5196, 85.7624, 96.4198 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(224, 242, 242) }
```


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

```
.border{ border-color:rgb(224, 242, 242) }
```

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

Here you see how a box with a 4 pixel `rgb(224, 242, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 242, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 242, 242);  
box-shadow:4px 4px 4px 4px rgb(224, 242,  
242) }
```

Background

The CSS property to change the background color of an element to XYZ 78.5196, 85.7624, 96.4198 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 242, 242) }
```

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

```
.background{ background-color: rgb(224,  
242, 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](#).

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