

Converting Colors

XYZ(75.2145, 80.5557, 95.1853)

Have a look what the booklet for
XYZ(75.2145, 80.5557, 95.1853)
contains.

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Color

**XYZ(75.1188, 80.5687,
94.8112)**

Conversions

Conversions Part 1

Format	Color
Hex	DDEAF1
RGB	221, 234, 241
RGB Percent	87%, 92%, 95%
CMY	0.1333, 0.0823, 0.0549
CMYK	0.08, 0.03, 0.00, 0.05
HSL	201°, 42%, 91%
HSV	201°, 8%, 95%
XYZ	75.1188, 80.5687, 94.8112
YIQ	230.9110, -9.9950, -0.5790

Conversions

Conversions Part 2

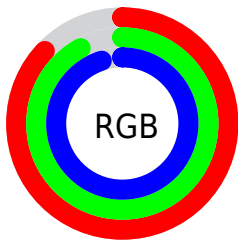
Format	Color
R _Y B	221, 229, 241
Decimal	14543601
CIE Lab	91.94, -2.97, -4.88
CIE LCh	92, 5.716, 238.644
Yxy	80.5687, 0.2999, 0.3216
Android (android.graphics.Color)	4292733681 (0xFFDDEAF1)
YUV	230.9110, 4.9739, -8.6919
Hunter-Lab	89.7601, -7.6963, 0.2056

Details

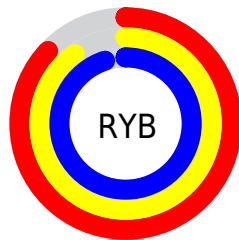
The XYZ color **75.1188, 80.5687, 94.8112** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **77.0704, 79.4074, 79.6730**, and the grayscale version is **75.8609, 79.8116, 86.9148**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **40.4032, 43.4506, 52.1563** is the 20% darker color. If you saturate the color by 10%, you get **65.9585, 72.3697, 93.7127**, and if you desaturate by 10%, it is **85.4513, 89.5459, 96.0006**.

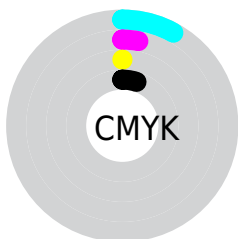
Distribution



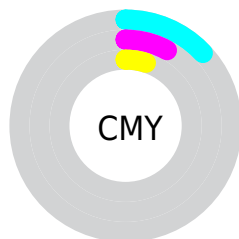
- Red (87%)
- Green (92%)
- Blue (95%)



- Red (87%)
- Yellow (90%)
- Blue (95%)



- Cyan (8%)
- Magenta (3%)
- Yellow (0%)
- Black (5%)



- Cyan (13%)
- Magenta (8%)
- Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 75.1188, 80.5687, 94.8112 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 75.1188, 80.5687, 94.8112 by changing the saturation by 10% instead.

■ 75.1188, 80.5687,
94.8112

■ 75.1188, 80.5687,
94.8112

467.3167,
496.8473, 564.5293

■ 56.0047, 60.1864,
71.3818

125.4675,
134.1650, 155.9971

■ 40.4437, 43.5689,
52.1701

157.4329,
168.1478, 194.5907

■ 28.0704, 30.3318,
36.7575

194.4127,
207.4330, 239.0761

■ 18.5195, 20.0905,
24.7255

236.7724,
252.4049, 289.8718

■ 11.4255, 12.4609,
15.6555

284.8773,
303.4478, 347.3965

■ 6.4232, 7.0584,
9.1290

339.0928,

■ 3.1472, 3.4986,

360.9463, 412.0686

4.7275

399.7841,
425.2847, 484.3067

■ 1.2321, 1.3973,
2.0323

■ 0.1315, 0.2147,
0.5750

■ 75.1188, 80.5687,
94.8112

■ 75.1188, 80.5687,
94.8112

■ 65.9585, 72.3697,
93.7127

■ 85.4513, 89.5459,
96.0006

■ 57.9172, 64.9126,
92.6971

■ 91.5730, 96.5220,
97.0245

■ 50.9476, 58.1729,
91.7636

■ 92.8774, 99.1310,
97.4593

■ 44.9966, 52.1206,
90.9090

■ 40.0057, 46.7233,
90.1303

■ 35.9104, 41.9450,
89.4238

■ 32.6373, 37.7454,
88.7857

■ 30.1001, 34.0772,
88.2114

■ 28.1777, 30.8753,
87.6947

Harmonies

Analogous

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



74.1277, 80.5687, 91.6579



75.1188, 80.5687, 94.8112



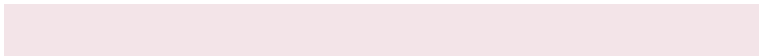
76.5114, 80.5687, 96.0576

Triad

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



75.1188, 80.5687, 94.8112



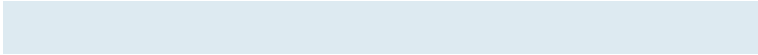
79.4347, 80.5687, 87.9170



75.2330, 80.5687, 80.8209

Complementary

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



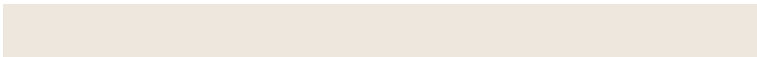
75.1188, 80.5687, 94.8112



77.0704, 79.4074, 79.6730

Split Complementary

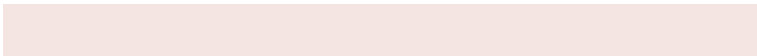
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



76.6449, 80.5687, 79.8900



75.1188, 80.5687, 94.8112



79.0820, 80.5687, 83.9074

Square

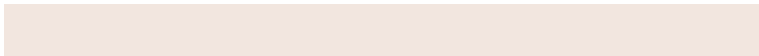
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



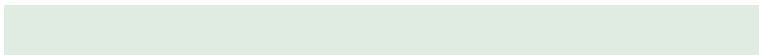
75.1188, 80.5687, 94.8112



79.0138, 80.5687, 91.9995



78.0562, 80.5687, 81.0022



74.1930, 80.5687, 83.5862

Rectangle

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



75.1188, 80.5687, 94.8112



77.4840, 80.5687, 95.6100



78.0562, 80.5687, 81.0022



75.6793, 80.5687, 80.2871

Sweetspot

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



75.1211, 80.5721, 94.8130



92.6320, 97.9125, 108.6245



75.2327, 83.8670, 85.3805



19.8524, 20.9793, 23.2530



0.0000, 0.0000, 0.0000



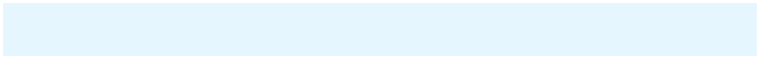
20.3446, 21.4041, 23.3091

Same Dimension

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



75.1211, 80.5721, 94.8130



83.5029, 89.9204, 107.5630



72.4426, 75.2151, 93.9201



15.7550, 16.9441, 20.1618



15.2512, 16.7267, 47.5526



1.3616, 1.5772, 3.9869

Inverse Universe

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



76.9852, 76.3558, 88.5265



86.0446, 84.2344, 98.9767



79.8056, 84.8777, 80.5848



16.2058, 15.9320, 18.6398



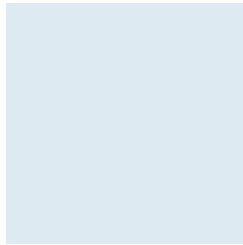
23.0237, 11.4819, 18.5734



1.9622, 0.9739, 1.7919

Previews

White Background



This preview shows how the XYZ color 75.1188, 80.5687, 94.8112 looks on a white background.

Color Contrast Check

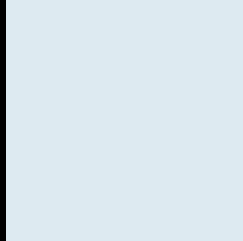
Large Text (above 18pt) WCAG AA × Fail

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 75.1188, 80.5687, 94.8112 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

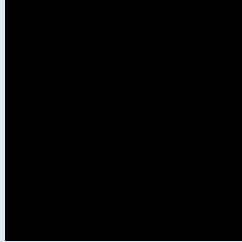
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

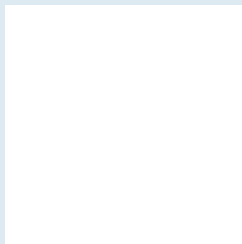
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 75.1188, 80.5687, 94.8112

Background



This preview shows how black text looks on a background with the XYZ color 75.1188, 80.5687, 94.8112.

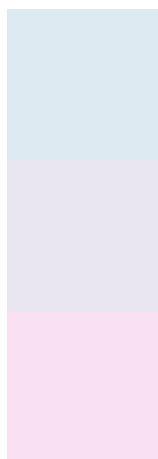


This preview shows how white text looks on a background with the XYZ color 75.1188, 80.5687,

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

75.1188, 80.5687, 94.8112

Protanopia

77.8085, 80.3180, 93.0633

Deuteranopia

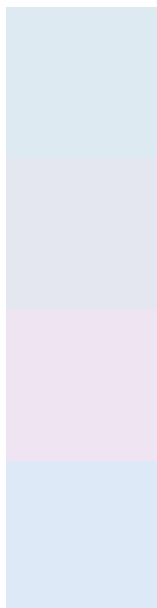
82.1698, 80.4612, 95.9938



Tritanopia

76.7006, 80.3662, 102.7365

Trichromacy



Original Color

75.1188, 80.5687, 94.8112

Protanomaly

76.6172, 80.1011, 93.8610

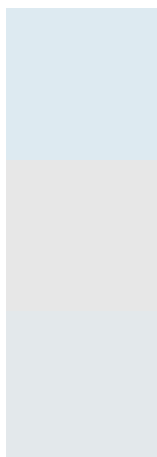
Deuteranomaly

79.3670, 80.2483, 95.3108

Tritanomaly

76.0516, 80.5228, 99.5298

Monochromacy



Original Color

75.1188, 80.5687, 94.8112

Achromatopsia

75.9547, 79.9103, 87.0223

Achromatomaly

75.5306, 80.0423, 90.0661

CSS Examples

Text

The CSS property to change the color of the text to XYZ 75.1188, 80.5687, 94.8112 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, 234, 241)` looks like.

```
.text, #text, p{  
    color:rgb(221, 234, 241)  
}
```

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, 234, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 234, 241) }
```

Border

The CSS property to change the border of an element to XYZ 75.1188, 80.5687, 94.8112 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, 234, 241) }
```


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

```
.border{ border-color:rgb(221, 234, 241) }
```

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

Here you see how a box with a 4 pixel `rgb(221, 234, 241)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 234, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 234, 241);  
box-shadow:4px 4px 4px 4px rgb(221, 234,  
241) }
```

Background

The CSS property to change the background color of an element to XYZ 75.1188, 80.5687, 94.8112 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 234, 241) }
```

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

```
.background{ background-color: rgb(221,  
234, 241) }
```

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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