

Converting Colors

XYZ(72.7285, 76.6917, 98.9215)

Have a look what the booklet for
XYZ(72.7285, 76.6917, 98.9215)
contains.

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Color

**XYZ(72.8508, 76.8011,
98.9801)**

Conversions

Conversions Part 1

Format	Color
Hex	D8E4F7
RGB	216, 228, 247
RGB Percent	85%, 89%, 97%
CMY	0.1529, 0.1059, 0.0314
CMYK	0.13, 0.08, 0.00, 0.03
HSL	217°, 66%, 91%
HSV	217°, 13%, 97%
XYZ	72.8508, 76.8011, 98.9801
YIQ	226.5780, -13.2510, 3.3650

Conversions

Conversions Part 2

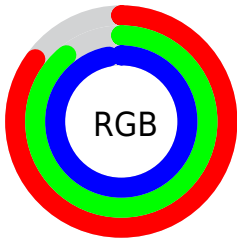
Format	Color
R _Y B	216, 225, 247
Decimal	14214391
CIE Lab	90.23, -0.31, -10.59
CIE LCh	90, 10.592, 268.344
Yxy	76.8011, 0.2930, 0.3089
Android (android.graphics.Color)	4292404471 (0xFFD8E4F7)
YUV	226.5780, 10.0680, -9.2769
Hunter-Lab	87.6362, -4.9788, -5.6193

Details

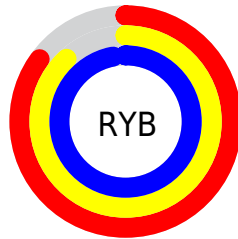
The XYZ color **72.8508, 76.8011, 98.9801** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **80.4612, 84.1484, 76.9688**, and the grayscale version is **72.6453, 76.4285, 83.2306**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **39.0455, 41.2258, 55.1897** is the 20% darker color. If you saturate the color by 10%, you get **62.1119, 65.3535, 97.3377**, and if you desaturate by 10%, it is **85.0558, 89.5498, 100.7988**.

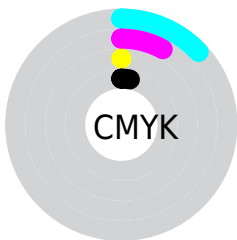
Distribution



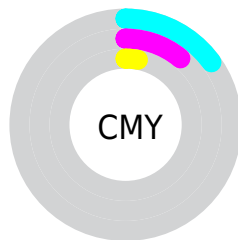
- Red (85%)
- Green (89%)
- Blue (97%)



- Red (85%)
- Yellow (88%)
- Blue (97%)



- Cyan (13%)
- Magenta (8%)
- Yellow (0%)
- Black (3%)



- Cyan (15%)
- Magenta (11%)
- Yellow (3%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 72.8508, 76.8011, 98.9801 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 72.8508, 76.8011, 98.9801 by changing the saturation by 10% instead.

■ 72.8508, 76.8011,
98.9801

■ 72.8508, 76.8011,
98.9801

459.6093,
484.0856, 578.1365

■ 54.1419, 57.0896,
74.8369

122.2697,
128.8587, 161.7945

■ 38.9463, 41.0772,
54.9784

153.7103,
161.9736, 201.3029

■ 26.8985, 28.3794,
38.9859

190.1257,
200.3251, 246.7700

■ 17.6332, 18.6119,
26.4410

231.8810,
244.2976, 298.6145

■ 10.7850, 11.3902,
16.9251

279.3416,
294.2755, 357.2548

■ 5.9887, 6.3299,
10.0197

332.8730,

■ 2.8788, 3.0467,

350.6432, 423.1096

5.3063

392.8405,
413.7851, 496.5973

■ 1.0900, 1.1562,
2.3662

■ 0.0167, 0.0255,
0.7680

■ 72.8508, 76.8011,
98.9801

■ 72.8508, 76.8011,
98.9801

■ 62.1119, 65.3535,
97.3377

■ 85.0558, 89.5498,
100.7988

■ 52.7740, 55.1535,
95.8611

■ 93.7887, 99.4955,
102.2582

■ 44.7774, 46.1580,
94.5462

■ 38.0550, 38.3174,
93.3872

■ 32.5333, 31.5781,
92.3774

■ 28.1310, 25.8817,
91.5099

■ 24.7549, 21.1626,
90.7769

■ 22.2944, 17.3454,
90.1698

■ 20.9386, 15.0152,
89.7915

Harmonies

Analogous

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



70.3706, 76.8011, 96.5909



72.8508, 76.8011, 98.9801



75.4287, 76.8011, 97.0533

Triad

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



72.8508, 76.8011, 98.9801



77.5471, 76.8011, 76.9228



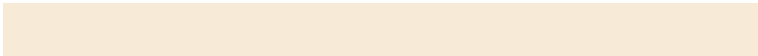
68.7694, 76.8011, 76.2378

Complementary

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



72.8508, 76.8011, 98.9801



80.4612, 84.1484, 76.9688

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.



70.6184, 76.8011, 71.4932



72.8508, 76.8011, 98.9801



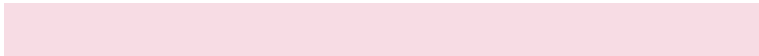
75.6883, 76.8011, 71.8717

Square

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



72.8508, 76.8011, 98.9801



78.1789, 76.8011, 84.0434



73.1437, 76.8011, 69.9433



68.0496, 76.8011, 83.2047

Rectangle

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



72.8508, 76.8011, 98.9801



76.8479, 76.8011, 93.6419



73.1437, 76.8011, 69.9433



69.2772, 76.8011, 74.3461

Sweetspot

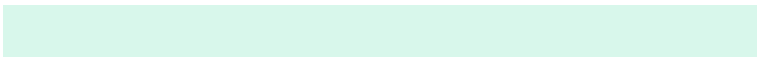
The Sweet Spot groups the original color and five complimentary colors.



72.8531, 76.8043, 98.9818



89.4347, 94.1931, 108.0751



76.5187, 87.0969, 91.0744



18.9229, 19.9329, 23.1000



0.0000, 0.0000, 0.0000



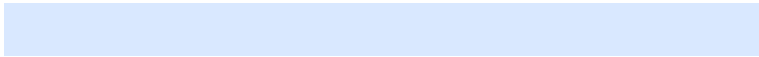
20.3446, 21.4041, 23.3091

Same Dimension

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



72.8531, 76.8043, 98.9818



75.3240, 79.3993, 105.9633



70.5894, 70.9043, 97.9623



16.1073, 16.9788, 20.9709



11.2012, 8.1961, 47.5297



1.0810, 0.9134, 4.2096

Inverse Universe

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



76.9190, 74.4890, 83.7262



80.4915, 76.5581, 86.5516



82.9302, 90.6959, 78.1025



16.7647, 16.5887, 18.5076



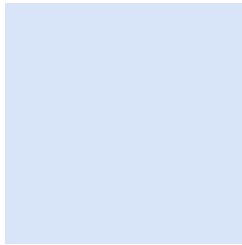
21.4583, 10.9268, 7.1220



1.9347, 0.9798, 0.8826

Previews

White Background



This preview shows how the XYZ color 72.8508, 76.8011, 98.9801 looks on a white background.

Color Contrast Check

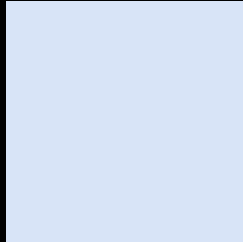
Large Text (above 18pt) WCAG AA × Fail

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 72.8508, 76.8011, 98.9801 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

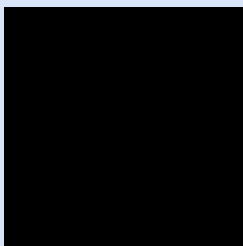
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

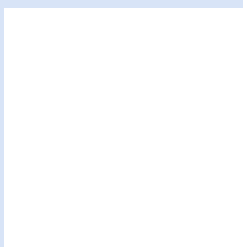
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 72.8508, 76.8011, 98.9801

Background



This preview shows how black text looks on a background with the XYZ color 72.8508, 76.8011, 98.9801.



This preview shows how white text looks on a background with the XYZ color 72.8508, 76.8011,

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

72.8508, 76.8011, 98.9801

Protanopia

74.4580, 76.4506, 97.2183

Deuteranopia

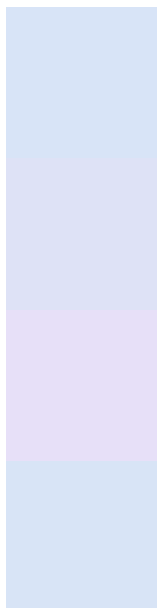
78.5519, 76.9032, 100.3262



Tritanopia

72.6969, 76.7396, 98.1695

Trichromacy



Original Color

72.8508, 76.8011, 98.9801

Protanomaly

73.9551, 76.5761, 98.0716

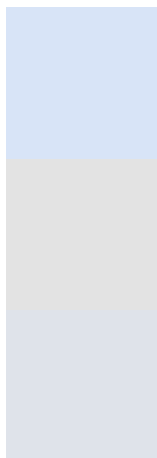
Deuteranomaly

76.5539, 77.0775, 99.6496

Tritanomaly

72.6969, 76.7396, 98.1695

Monochromacy



Original Color

72.8508, 76.8011, 98.9801

Achromatopsia

73.0128, 76.8151, 83.6517

Achromatomaly

72.7518, 76.5667, 88.7863

CSS Examples

Text

The CSS property to change the color of the text to XYZ 72.8508, 76.8011, 98.9801 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(216, 228, 247)` looks like.

```
.text, #text, p{  
    color:rgb(216, 228, 247)  
}
```

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(216, 228, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 228, 247) }
```

Border

The CSS property to change the border of an element to XYZ 72.8508, 76.8011, 98.9801 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(216, 228, 247) }
```


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

```
.border{ border-color:rgb(216, 228, 247) }
```

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

Here you see how a box with a 4 pixel `rgb(216, 228, 247)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(216, 228, 247); -webkit-box-shadow:4px 4px 4px 4px rgb(216, 228, 247); box-shadow:4px 4px 4px 4px rgb(216, 228, 247) }
```

Background

The CSS property to change the background color of an element to XYZ 72.8508, 76.8011, 98.9801 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 228, 247) }
```

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

```
.background{ background-color: rgb(216,  
228, 247) }
```

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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