

Converting Colors

XYZ(72.8822, 78.5663, 99.1818)

Have a look what the booklet for
XYZ(72.8822, 78.5663, 99.1818)
contains.

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Color

**XYZ(72.7965, 78.4257,
99.2966)**

Conversions

Conversions Part 1

Format	Color
Hex	D4E8F7
RGB	212, 232, 247
RGB Percent	83%, 91%, 97%
CMY	0.1686, 0.0902, 0.0314
CMYK	0.14, 0.06, 0.00, 0.03
HSL	206°, 69%, 90%
HSV	206°, 14%, 97%
XYZ	72.7965, 78.4257, 99.2966
YIQ	227.7300, -16.7350, 0.4250

Conversions

Conversions Part 2

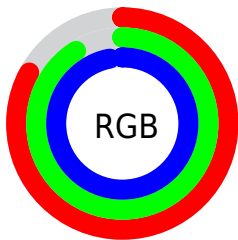
Format	Color
R _Y B	212, 225, 247
Decimal	13953271
CIE Lab	90.97, -3.63, -9.51
CIE LCh	91, 10.179, 249.132
Yxy	78.4257, 0.2906, 0.3131
Android (android.graphics.Color)	4292143351 (0xFFD4E8F7)
YUV	227.7300, 9.5001, -13.7952
Hunter-Lab	88.5583, -8.2468, -4.4885

Details

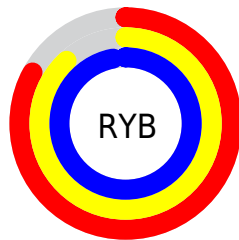
The XYZ color **72.7965, 78.4257, 99.2966** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **77.7110, 79.4655, 73.5314**, and the grayscale version is **73.4890, 77.3162, 84.1973**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **38.8339, 41.9804, 55.3465** is the 20% darker color. If you saturate the color by 10%, you get **63.3241, 69.2542, 98.0268**, and if you desaturate by 10%, it is **83.5421, 88.5241, 100.6807**.

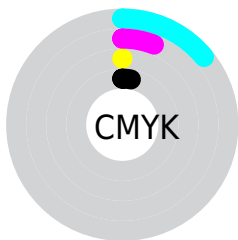
Distribution



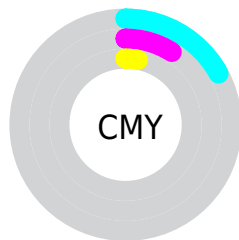
- Red (83%)
- Green (91%)
- Blue (97%)



- Red (83%)
- Yellow (88%)
- Blue (97%)



- Cyan (14%)
- Magenta (6%)
- Yellow (0%)
- Black (3%)



- Cyan (17%)
- Magenta (9%)
- Yellow (3%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 72.7965, 78.4257, 99.2966 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 72.7965, 78.4257, 99.2966 by changing the saturation by 10% instead.

■ 72.7965, 78.4257,
99.2966

■ 72.7965, 78.4257,
99.2966

459.4239,
489.6114, 579.1626

■ 54.0974, 58.4237,
75.0996

122.1930,
131.1501, 162.2337

■ 38.9105, 42.1494,
55.1923

153.6210,
164.6412, 201.8108

■ 26.8705, 29.2183,
39.1561

190.0227,
203.3976, 247.3518

■ 17.6121, 19.2460,
26.5724

231.7635,
247.8036, 299.2751

■ 10.7698, 11.8482,
17.0227

279.2086,
298.2436, 357.9993

■ 5.9784, 6.6404,
10.0886

332.7235,

■ 2.8725, 3.2382,

355.1019, 423.9429

5.3514

392.6735,
418.7630, 497.5245

■ 1.0867, 1.2573,
2.3925

■ 0.0139, 0.1078,
0.7824

■ 72.7965, 78.4257,
99.2966

■ 72.7965, 78.4257,
99.2966

■ 63.3241, 69.2542,
98.0268

■ 83.5421, 88.5241,
100.6807

■ 55.0657, 60.9681,
96.8627

■ 93.2084, 98.3348,
102.0649

■ 47.9670, 53.5369,
95.8025

■ 93.7887, 99.4955,
102.2583

■ 41.9670, 46.9241,
94.8423

■ 36.9985, 41.0900,
93.9781

■ 32.9860, 35.9905,
93.2053

■ 29.8426, 31.5754,
92.5187

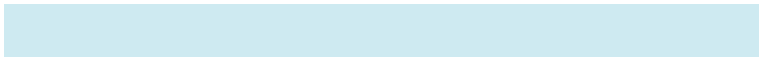
■ 27.4623, 27.7844,
91.9125

■ 26.3382, 25.8143,
91.5915

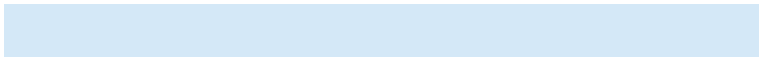
Harmonies

Analogous

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



70.7770, 78.4257, 94.6298



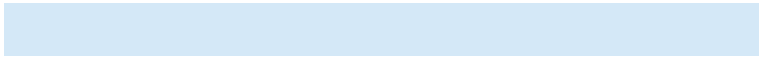
72.7965, 78.4257, 99.2966



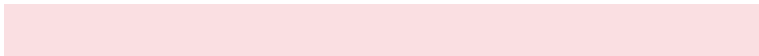
75.3276, 78.4257, 100.1263

Triad

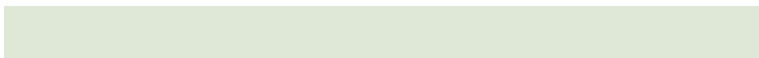
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



72.7965, 78.4257, 99.2966



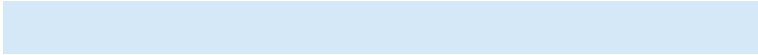
79.5226, 78.4257, 83.1679



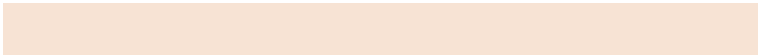
71.4688, 78.4257, 74.8878

Complementary

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



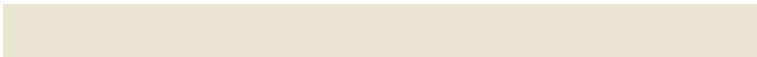
72.7965, 78.4257, 99.2966



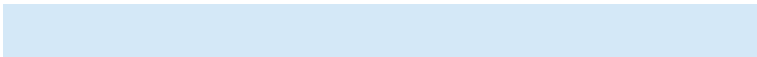
77.7110, 79.4655, 73.5314

Split Complementary

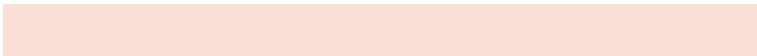
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



73.7605, 78.4257, 72.1796



72.7965, 78.4257, 99.2966



78.4367, 78.4257, 76.7763

Square

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



72.7965, 78.4257, 99.2966



79.2501, 78.4257, 90.5283



76.3137, 78.4257, 72.8506



70.0228, 78.4257, 80.4542

Rectangle

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



72.7965, 78.4257, 99.2966



76.9706, 78.4257, 98.3474



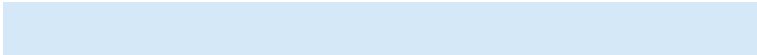
76.3137, 78.4257, 72.8506



72.1636, 78.4257, 73.6279

Sweetspot

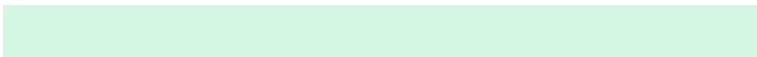
The Sweet Spot groups the original color and five complimentary colors.



72.7988, 78.4290, 99.2984



90.0180, 95.3596, 108.2695



74.2212, 86.0431, 85.0694



19.0705, 20.2280, 23.1492



0.0000, 0.0000, 0.0000



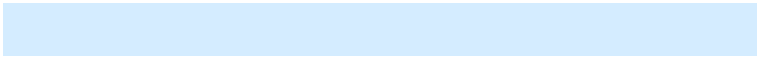
20.3446, 21.4041, 23.3091

Same Dimension

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



72.7988, 78.4290, 99.2984



75.2187, 81.4012, 106.3553



68.2206, 69.2725, 97.7723



16.3674, 17.4992, 21.0576



14.0730, 13.9399, 48.4870



1.3388, 1.4289, 4.2955

Inverse Universe

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



76.4686, 72.6890, 86.3478



79.8983, 74.2530, 89.8025



82.6185, 89.2805, 75.1673



16.8960, 16.6413, 19.1991



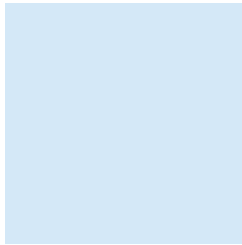
22.9079, 11.5066, 14.7554



2.0648, 1.0319, 1.5676

Previews

White Background



This preview shows how the XYZ color 72.7965, 78.4257, 99.2966 looks on a white background.

Color Contrast Check

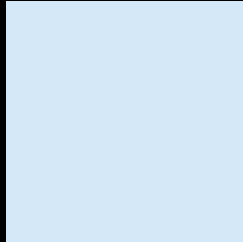
Large Text (above 18pt) WCAG AA × Fail

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 72.7965, 78.4257, 99.2966 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

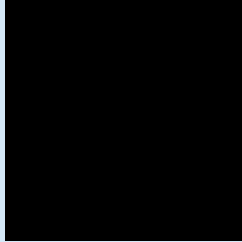
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

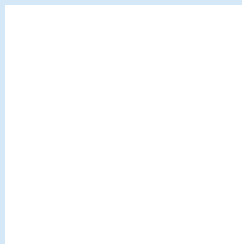
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 72.7965, 78.4257, 99.2966

Background



This preview shows how black text looks on a background with the XYZ color 72.7965, 78.4257, 99.2966.

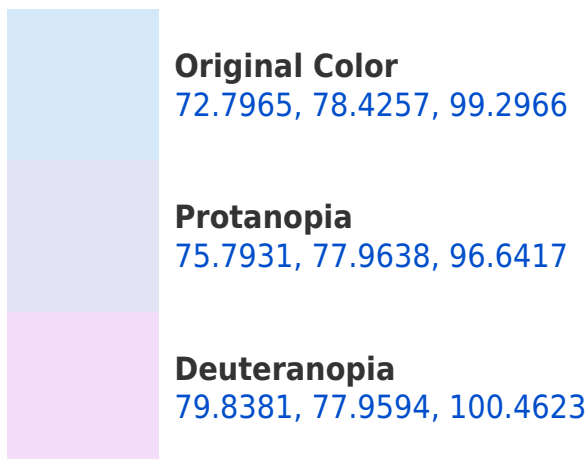


This preview shows how white text looks on a background with the XYZ color 72.7965, 78.4257,

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

73.5525, 78.7615, 101.7683

Trichromacy



Original Color

72.7965, 78.4257, 99.2966

Protanomaly

74.6249, 78.1608, 97.5396

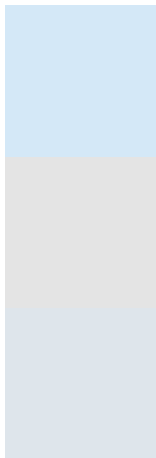
Deuteranomaly

77.0946, 78.1589, 99.8298

Tritanomaly

73.3961, 78.6989, 100.9446

Monochromacy



Original Color

72.7965, 78.4257, 99.2966

Achromatopsia

73.7419, 77.5822, 84.4870

Achromatomaly

73.1389, 77.5664, 89.7142

CSS Examples

Text

The CSS property to change the color of the text to XYZ 72.7965, 78.4257, 99.2966 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(212, 232, 247)` looks like.

```
.text, #text, p{  
    color:rgb(212, 232, 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(212, 232, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 232, 247) }
```

Border

The CSS property to change the border of an element to XYZ 72.7965, 78.4257, 99.2966 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(212, 232, 247) }
```


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

```
.border{ border-color:rgb(212, 232, 247) }
```

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

Here you see how a box with a 4 pixel `rgb(212, 232, 247)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(212, 232, 247); -webkit-box-shadow:4px 4px 4px 4px rgb(212, 232, 247); box-shadow:4px 4px 4px 4px rgb(212, 232, 247) }
```

Background

The CSS property to change the background color of an element to XYZ 72.7965, 78.4257, 99.2966 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 232, 247) }
```

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

```
.background{ background-color: rgb(212,  
232, 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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