

Converting Colors

XYZ(71.8524, 81.7670, 77.4493)

Have a look what the booklet for
XYZ(71.8524, 81.7670, 77.4493)
contains.

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Color

**XYZ(72.0034, 81.9289,
77.6645)**

Conversions

Conversions Part 1

Format	Color
Hex	D8F0D9
RGB	216, 240, 217
RGB Percent	85%, 94%, 85%
CMY	0.1529, 0.0588, 0.1490
CMYK	0.10, 0.00, 0.10, 0.06
HSL	123°, 44%, 89%
HSV	123°, 10%, 94%
XYZ	72.0034, 81.9289, 77.6645
YIQ	230.2020, -6.9210, -12.2410

Conversions

Conversions Part 2

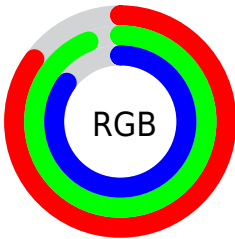
Format	Color
R _Y B	216, 239, 240
Decimal	14217433
CIE Lab	92.54, -12.06, 8.45
CIE LCh	93, 14.723, 144.991
Yxy	81.9289, 0.3109, 0.3538
Android (android.graphics.Color)	4292407513 (0xFFD8F0D9)
YUV	230.2020, -6.5086, -12.4552
Hunter-Lab	90.5146, -16.4057, 12.4874

Details

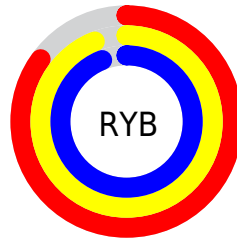
The XYZ color **72.0034, 81.9289, 77.6645** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **76.0740, 73.8710, 91.9143**, and the grayscale version is **75.4156, 79.3431, 86.4046**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **38.3600, 44.4667, 40.7436** is the 20% darker color. If you saturate the color by 10%, you get **62.6379, 77.4251, 62.6829**, and if you desaturate by 10%, it is **82.8261, 87.1404, 94.8941**.

Distribution



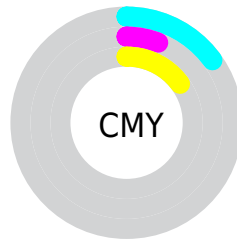
- Red (85%)
- Green (94%)
- Blue (85%)



- Red (85%)
- Yellow (94%)
- Blue (94%)



- Cyan (10%)
- Magenta (0%)
- Yellow (10%)
- Black (6%)





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

Brightness & Saturation Gradients


These gradients show how the XYZ color 72.0034, 81.9289, 77.6645 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 72.0034, 81.9289, 77.6645 by changing the saturation by 10% instead.


 72.0034, 81.9289,
77.6645

 72.0034, 81.9289,
77.6645


456.7109,
501.4098, 506.5244

 53.4469, 61.3069,
57.2836


121.0721,
136.0743, 131.8586

 38.3886, 44.4729,
40.8221


152.3151,
170.3665, 166.5089

 26.4630, 31.0425,
27.8615


188.5176,
209.9842, 206.7528

 17.3048, 20.6312,
17.9831

230.0451,
255.3119, 253.0088

 10.5487, 12.8547,
10.7685

277.2627,
306.7339, 305.6954

 5.8293, 7.3286,
5.7992

330.5360,

 2.7812, 3.6684,

364.6347, 365.2311

2.6566

390.2303,
429.3985, 432.0346

■ 1.0392, 1.4899,
0.9214

■ 0.0000, 0.2816,
0.0000

■ 72.0034, 81.9289,
77.6645

■ 72.0034, 81.9289,
77.6645

■ 62.6379, 77.4251,
62.6829

■ 82.8261, 87.1404,
94.8941

■ 54.6610, 73.5886,
49.8517

■ 90.4517, 90.8034,
107.3672

■ 48.0086, 70.3908,
39.0737

■ 42.6090, 67.7971,
30.2426

■ 38.3837, 65.7694,
23.2421

■ 35.2453, 64.2656,
17.9439

■ 33.0943, 63.2372,
14.2030

■ 31.8128, 62.6273,
11.8503

■ 31.2165, 62.3453,
10.6758

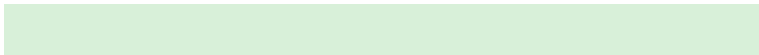
Harmonies

Analogous

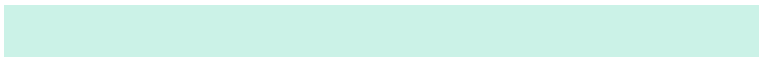
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



74.8062, 81.9289, 71.4518



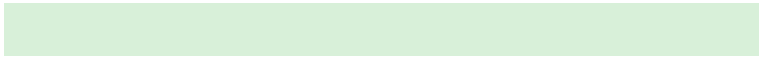
72.0034, 81.9289, 77.6645



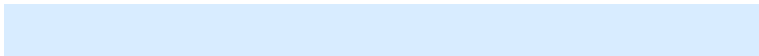
70.7746, 81.9289, 87.3809

Triad

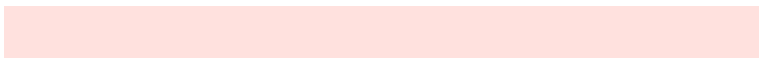
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



72.0034, 81.9289, 77.6645



77.2308, 81.9289, 111.8675



84.7262, 81.9289, 80.6040

Complementary

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



72.0034, 81.9289, 77.6645



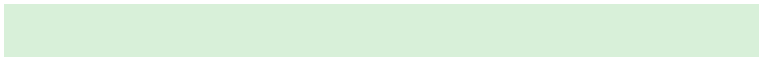
76.0740, 73.8710, 91.9143

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.



85.4265, 81.9289, 91.0577



72.0034, 81.9289, 77.6645



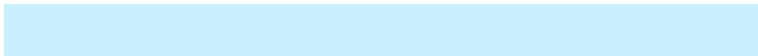
81.0183, 81.9289, 109.6831

Square

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



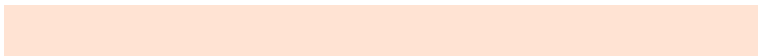
72.0034, 81.9289, 77.6645



73.7290, 81.9289, 107.5867



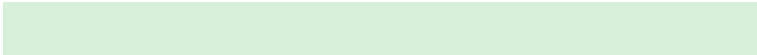
84.0489, 81.9289, 101.8392



82.1653, 81.9289, 73.0491

Rectangle

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



72.0034, 81.9289, 77.6645



70.9832, 81.9289, 94.7643



84.0489, 81.9289, 101.8392



85.1905, 81.9289, 83.8707

Sweetspot

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



72.0057, 81.9324, 77.6663



91.1332, 98.1146, 102.6725



79.2225, 85.6678, 77.3268



19.2878, 20.8954, 21.6286



0.0000, 0.0000, 0.0000



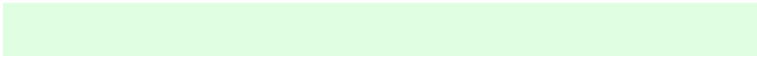
20.3446, 21.4041, 23.3091

Same Dimension

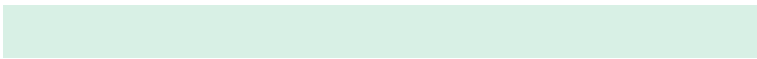
The Same Dimension uses a secret algorithm to generate beautiful new colors.



72.0057, 81.9324, 77.6663



80.3075, 92.9045, 85.4177



73.5965, 82.5687, 86.0435



15.5926, 17.6671, 16.8775



17.0994, 34.1318, 5.9066



1.4318, 2.8432, 0.5405

Inverse Universe

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



76.0740, 73.8710, 91.9143



85.8486, 81.9247, 104.8234



74.3865, 73.1960, 83.0279



16.4241, 16.0194, 19.7897



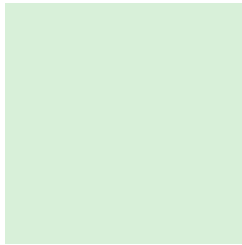
27.5029, 13.2736, 42.1603



2.2968, 1.1077, 3.5536

Previews

White Background



This preview shows how the XYZ color 72.0034, 81.9289, 77.6645 looks on a white background.

Color Contrast Check

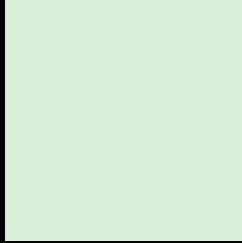
Large Text (above 18pt) WCAG AA × Fail

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 72.0034, 81.9289, 77.6645 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

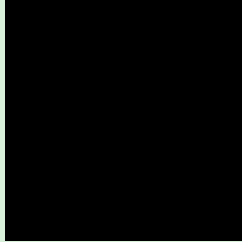
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

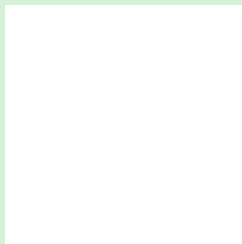
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 72.0034, 81.9289, 77.6645

Background



This preview shows how black text looks on a background with the XYZ color 72.0034, 81.9289, 77.6645.

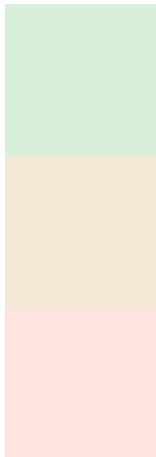


This preview shows how white text looks on a background with the XYZ color 72.0034, 81.9289,

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

72.0034, 81.9289, 77.6645

Protanopia

77.4848, 81.3946, 74.5776

Deuteranopia

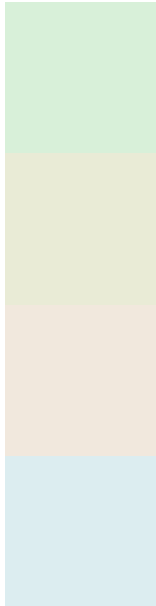
82.0284, 81.5259, 81.2247



Tritanopia

77.5622, 82.0381, 104.6755

Trichromacy



Original Color

72.0034, 81.9289, 77.6645

Protanomaly

75.4502, 81.5953, 75.3912

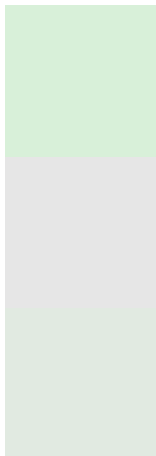
Deuteranomaly

78.1834, 81.6345, 80.0429

Tritanomaly

75.5276, 82.0753, 94.2995

Monochromacy



Original Color

72.0034, 81.9289, 77.6645

Achromatopsia

75.2129, 79.1298, 86.1723

Achromatomaly

74.0648, 80.2894, 82.8279

CSS Examples

Text

The CSS property to change the color of the text to XYZ 72.0034, 81.9289, 77.6645 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, 240, 217)` looks like.

```
.text, #text, p{  
    color:rgb(216, 240, 217)  
}
```

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, 240, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 240, 217) }
```

Border

The CSS property to change the border of an element to XYZ 72.0034, 81.9289, 77.6645 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, 240, 217) }
```


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

```
.border{ border-color:rgb(216, 240, 217) }
```

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

Here you see how a box with a 4 pixel `rgb(216, 240, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 240, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 240, 217);  
box-shadow:4px 4px 4px 4px rgb(216, 240,  
217) }
```

Background

The CSS property to change the background color of an element to XYZ 72.0034, 81.9289, 77.6645 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 240, 217) }
```

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

```
.background{ background-color: rgb(216,  
240, 217) }
```

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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