

Converting Colors

XYZ(70.6356, 79.8914, 57.1863)

Have a look what the booklet for
XYZ(70.6356, 79.8914, 57.1863)
contains.

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Color

**XYZ(70.6421, 79.9456,
57.0552)**

Conversions

Conversions Part 1

Format	Color
Hex	E4ECB8
RGB	228, 236, 184
RGB Percent	89%, 93%, 72%
CMY	0.1059, 0.0745, 0.2784
CMYK	0.03, 0.00, 0.22, 0.07
HSL	69°, 58%, 82%
HSV	69°, 22%, 93%
XYZ	70.6421, 79.9456, 57.0552
YIQ	227.6800, 11.9240, -17.8680

Conversions

Conversions Part 2

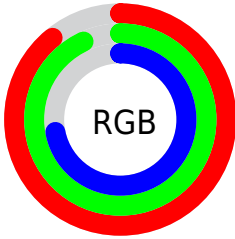
Format	Color
RYB	184, 236, 192
Decimal	15002808
CIELab	91.66, -11.14, 24.38
CIELCh	92, 26.807, 114.564
Yxy	79.9456, 0.3402, 0.3850
Android (android.graphics.Color)	4293192888 (0xFFE4ECB8)
YUV	227.6800, -21.5342, 0.2806
Hunter-Lab	89.4123, -15.4438, 24.7549

Details

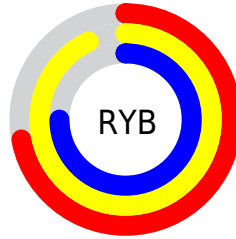
The XYZ color **70.6421, 79.9456, 57.0552** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **54.0222, 51.5457, 86.4634**, and the grayscale version is **73.6570, 77.4929, 84.3898**.

A 20% lighter version of the original color is **92.7282, 99.0713, 96.6734**, and **37.4312, 43.0519, 27.8097** is the 20% darker color. If you saturate the color by 10%, you get **67.2320, 78.4525, 45.0415**, and if you desaturate by 10%, it is **74.4933, 81.6234, 71.2472**.

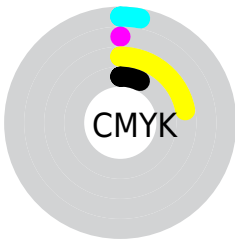
Distribution



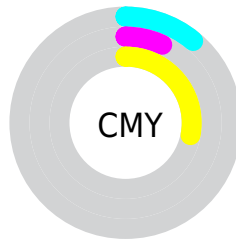
- Red (89%)
- Green (93%)
- Blue (72%)



- Red (72%)
- Yellow (93%)
- Blue (75%)



- Cyan (3%)
- Magenta (0%)
- Yellow (22%)
- Black (7%)



- Cyan (11%)
- Magenta (7%)
- Yellow (28%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 70.6421, 79.9456, 57.0552 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 70.6421, 79.9456, 57.0552 by changing the saturation by 10% instead.

70.6421, 79.9456,
57.0552

70.6421, 79.9456,
57.0552

452.0327,
494.7495, 431.1557

52.3317, 59.6736,
40.6399

119.1453,
133.2892, 102.0469

37.4948, 43.1556,
27.7202

150.0687,
167.1297, 131.4603

25.7663, 30.0072,
17.8777

185.9272,
206.2617, 166.0436

16.7806, 19.8441,
10.6937

227.0861,
251.0697, 206.2151

10.1725, 12.2817,
5.7497

273.9107,
301.9381, 252.3936

5.5767, 6.9359,
2.6272

326.7664,

2.6276, 3.4220,

359.2512, 304.9975

0.9064

386.0186,
423.3936, 364.4453

■ 0.9600, 1.3558,
0.0000

■ 0.0000, 0.1838,
0.0000

■ 70.6421, 79.9456,
57.0552

■ 70.6421, 79.9456,
57.0552

■ 67.2320, 78.4525,
45.0415

■ 74.4933, 81.6234,
71.2472

■ 64.2363, 77.1252,
35.0931

■ 78.7987, 83.4829,
87.7125

■ 61.6346, 75.9584,
27.0949

■ 83.5783, 85.5349,
106.5471

■ 59.4023, 74.9420,
20.9182

■ 84.8481, 86.1859,
106.7713

■ 57.5121, 74.0652,
16.4189

■ 86.1113, 86.8370,
106.8304

■ 55.9322, 73.3152,
13.4314

■ 87.3993, 87.5011,
106.8907

■ 54.6246, 72.6768,
11.7561

■ 88.7124, 88.1780,
106.9521

■ 53.7301, 72.2291,
11.1097

■ 89.2871, 88.4743,
106.9790

Harmonies

Analogous

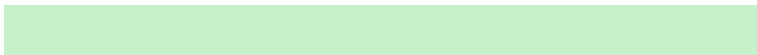
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



77.2402, 79.9456, 54.6426



70.6421, 79.9456, 57.0552



65.7539, 79.9456, 66.9612

Triad

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



70.6421, 79.9456, 57.0552



68.6039, 79.9456, 121.5317



89.8633, 79.9456, 90.6689

Complementary

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



70.6421, 79.9456, 57.0552



54.0222, 51.5457, 86.4634

Split Complementary

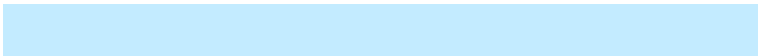
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



87.2278, 79.9456, 110.7948



70.6421, 79.9456, 57.0552



74.7452, 79.9456, 130.2467

Square

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



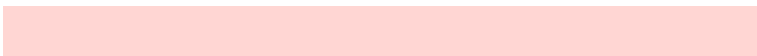
70.6421, 79.9456, 57.0552



64.6276, 79.9456, 103.6849



81.5926, 79.9456, 126.0494



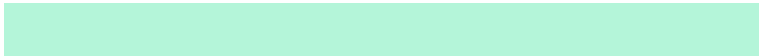
88.6027, 79.9456, 72.2918

Rectangle

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



70.6421, 79.9456, 57.0552



63.9863, 79.9456, 77.3903



81.5926, 79.9456, 126.0494



89.3991, 79.9456, 97.4757

Sweetspot

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



70.6442, 79.9491, 57.0569



91.3043, 98.3858, 94.4138



62.0523, 58.9073, 53.4483



19.4765, 21.0299, 19.9549



0.0000, 0.0000, 0.0000



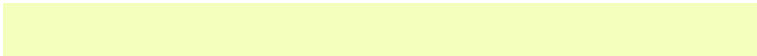
20.3446, 21.4041, 23.3091

Same Dimension

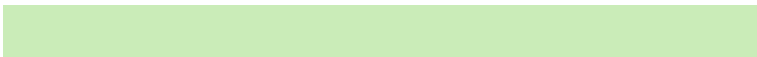
The Same Dimension uses a secret algorithm to generate beautiful new colors.



70.6442, 79.9491, 57.0569



82.4971, 94.5566, 61.8767



63.0613, 76.0400, 56.7020



16.1109, 17.5027, 16.0479



29.7049, 39.8579, 6.1277



2.3941, 3.1615, 0.4841

Inverse Universe

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



54.0222, 51.5457, 86.4634



59.7114, 55.6155, 102.1955



61.1371, 55.2136, 86.7964



14.4471, 14.6602, 18.9905



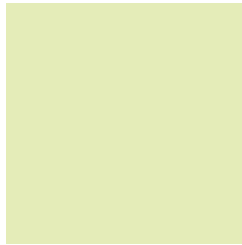
8.8210, 3.5833, 43.9697



0.7585, 0.3153, 3.4558

Previews

White Background



This preview shows how the XYZ color 70.6421, 79.9456, 57.0552 looks on a white background.

Color Contrast Check

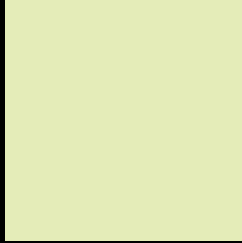
Large Text (above 18pt) WCAG AA × Fail

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 70.6421, 79.9456, 57.0552 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

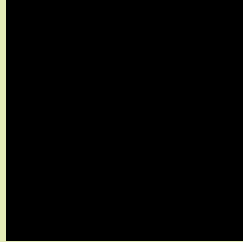
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

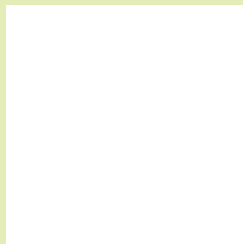
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 70.6421, 79.9456, 57.0552

Background



This preview shows how black text looks on a background with the XYZ color 70.6421, 79.9456, 57.0552.

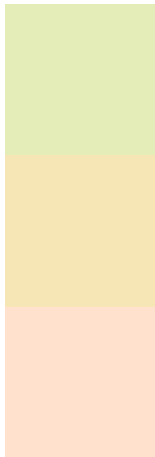


This preview shows how white text looks on a background with the XYZ color 70.6421, 79.9456,

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

70.6421, 79.9456, 57.0552

Protanopia

74.6433, 79.5227, 55.1313

Deuteranopia

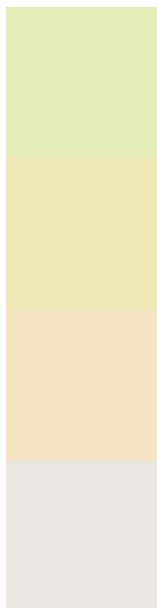
79.1847, 79.5182, 68.9327



Tritanopia

78.9700, 79.9735, 98.4630

Trichromacy



Original Color

70.6421, 79.9456, 57.0552

Protanomaly

72.8967, 79.4413, 55.7476

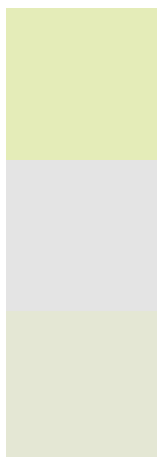
Deuteranomaly

75.7535, 79.4823, 64.1723

Tritanomaly

75.4995, 79.8032, 81.2363

Monochromacy



Original Color

70.6421, 79.9456, 57.0552

Achromatopsia

73.7419, 77.5822, 84.4870

Achromatomaly

72.4545, 78.3993, 73.6012

CSS Examples

Text

The CSS property to change the color of the text to XYZ 70.6421, 79.9456, 57.0552 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(228, 236, 184)` looks like.

```
.text, #text, p{  
    color:rgb(228, 236, 184)  
}
```

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(228, 236, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 236, 184) }
```

Border

The CSS property to change the border of an element to XYZ 70.6421, 79.9456, 57.0552 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(228, 236, 184) }
```


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

```
.border{ border-color:rgb(228, 236, 184) }
```

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

Here you see how a box with a 4 pixel `rgb(228, 236, 184)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(228, 236, 184); -webkit-box-shadow:4px 4px 4px 4px rgb(228, 236, 184); box-shadow:4px 4px 4px 4px rgb(228, 236, 184) }
```

Background

The CSS property to change the background color of an element to XYZ 70.6421, 79.9456, 57.0552 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 236, 184) }
```

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

```
.background{ background-color: rgb(228,  
236, 184) }
```

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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