

Converting Colors

XYZ(66.8991, 72.6548, 52.8810)

Have a look what the booklet for
XYZ(66.8991, 72.6548, 52.8810)
contains.

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Color

**XYZ(67.1575, 72.8530,
53.1703)**

Conversions

Conversions Part 1

Format	Color
Hex	E6DFB3
RGB	230, 223, 179
RGB Percent	90%, 87%, 70%
CMY	0.0980, 0.1255, 0.2980
CMYK	0.00, 0.03, 0.22, 0.10
HSL	52°, 50%, 80%
HSV	52°, 22%, 90%
XYZ	67.1575, 72.8530, 53.1703
YIQ	220.0770, 18.2960, -12.2000

Conversions

Conversions Part 2

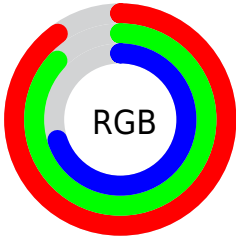
Format	Color
RYB	187, 230, 179
Decimal	15130547
CIELab	88.38, -4.57, 22.47
CIELCh	88, 22.926, 101.489
Yxy	72.8530, 0.3476, 0.3771
Android (android.graphics.Color)	4293320627 (0xFFE6DFB3)
YUV	220.0770, -20.2510, 8.7025
Hunter-Lab	85.3540, -8.9236, 22.8137

Details

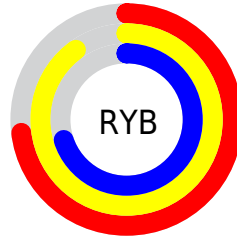
The XYZ color **67.1575, 72.8530, 53.1703** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **50.4321, 50.4136, 81.9361**, and the grayscale version is **68.2108, 71.7631, 78.1500**.

A 20% lighter version of the original color is **91.9954, 98.7782, 92.8147**, and **35.2241, 38.5103, 25.3154** is the 20% darker color. If you saturate the color by 10%, you get **64.1884, 70.3317, 41.6456**, and if you desaturate by 10%, it is **70.5342, 75.5674, 66.7468**.

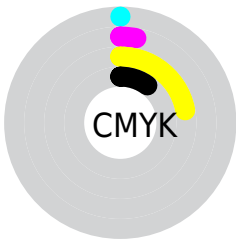
Distribution



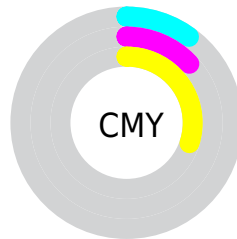
- Red (90%)
- Green (87%)
- Blue (70%)



- Red (73%)
- Yellow (90%)
- Blue (70%)



- Cyan (0%)
- Magenta (3%)
- Yellow (22%)
- Black (10%)





- Cyan (10%)
- Magenta (13%)
- Yellow (30%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 67.1575, 72.8530, 53.1703 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 67.1575, 72.8530, 53.1703 by changing the saturation by 10% instead.


 67.1575, 72.8530,
53.1703

 67.1575, 72.8530,
53.1703


439.9289,
470.5052, 416.0230

 49.4838, 53.8558,
37.5501


 114.1946,
123.2685, 96.2990

 35.2195, 38.4864,
25.3346


144.2887,
155.4556, 124.6446

 23.9993, 26.3604,
16.1052


179.2537,
192.8080, 158.0690

 15.4579, 17.0934,
9.4435

219.4549,
235.7103, 196.9908

 9.2298, 10.3011,
4.9308

265.2577,
284.5467, 241.8286

 4.9497, 5.5991,
2.1487

317.0273,

 2.2522, 2.6029,

339.7018, 293.0008

0.6445

375.1293,
401.5598, 350.9261

■ 0.7700, 0.9281,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 67.1575, 72.8530,
53.1703

■ 67.1575, 72.8530,
53.1703

■ 64.1884, 70.3317,
41.6456

■ 70.5342, 75.5674,
66.7468

■ 61.6018, 67.9860,
32.0668

■ 74.3308, 78.4726,
82.4647

■ 59.3787, 65.8105,
24.3255

■ 78.5659, 81.5785,
100.4140

■ 57.4960, 63.7959,
18.3007

■ 80.5707, 83.8179,
106.5397

■ 55.9280, 61.9317,
13.8570

■ 81.4851, 85.6467,
106.8445

■ 54.6450, 60.2060,
10.8388

■ 82.4157, 87.5078,
107.1547

■ 53.6113, 58.6043,
9.0585

■ 83.3624, 89.4013,
107.4702

■ 52.9314, 57.4192,
8.2932

■ 84.3254, 91.3273,
107.7912

■ 85.3048, 93.2860,
108.1177

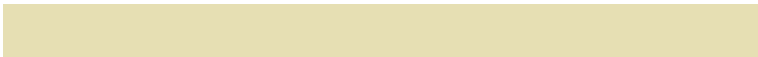
Harmonies

Analogous

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



72.6600, 72.8530, 53.9098



67.1575, 72.8530, 53.1703



62.4660, 72.8530, 58.7134

Triad

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



67.1575, 72.8530, 53.1703



61.6140, 72.8530, 101.1509



79.7753, 72.8530, 89.3441

Complementary

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



67.1575, 72.8530, 53.1703



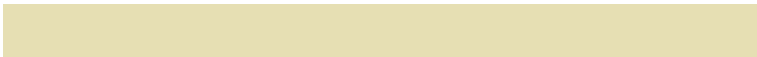
50.4321, 50.4136, 81.9361

Split Complementary

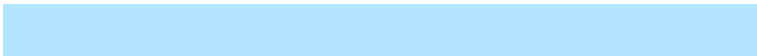
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



76.4967, 72.8530, 104.2699



67.1575, 72.8530, 53.1703



65.9379, 72.8530, 111.6849

Square

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



67.1575, 72.8530, 53.1703



59.3805, 72.8530, 85.5174



71.3745, 72.8530, 112.8965



80.1447, 72.8530, 73.4381

Rectangle

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



67.1575, 72.8530, 53.1703



60.3531, 72.8530, 65.7159



71.3745, 72.8530, 112.8965



78.9691, 72.8530, 94.6931

Sweetspot

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



67.1594, 72.8563, 53.1718



91.5319, 97.3511, 94.2021



57.6862, 52.6370, 53.9380



19.5294, 20.7895, 19.9057



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.



67.1594, 72.8563, 53.1718



82.9400, 90.4537, 59.6259



63.6288, 73.8682, 53.5533



15.4242, 16.4623, 15.2691



30.0335, 32.6412, 4.7174



2.2661, 2.5055, 0.3642

Inverse Universe

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



50.4321, 50.4136, 81.9361



57.9845, 56.9745, 102.5488



53.3906, 49.8045, 81.6626



13.7415, 14.2043, 18.1618



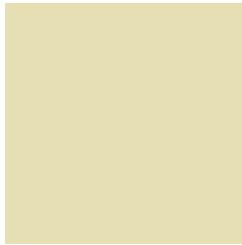
8.4229, 3.9078, 42.6935



0.6735, 0.3909, 3.1719

Previews

White Background



This preview shows how the XYZ color 67.1575, 72.8530, 53.1703 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 67.1575, 72.8530, 53.1703 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

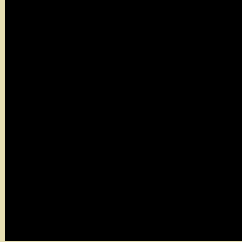
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

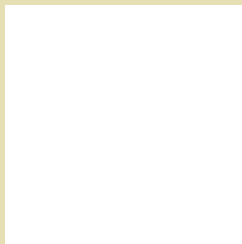
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 67.1575, 72.8530, 53.1703

Background



This preview shows how black text looks on a background with the XYZ color 67.1575, 72.8530, 53.1703.

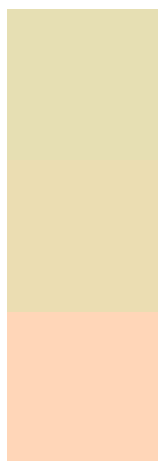


This preview shows how white text looks on a background with the XYZ color 67.1575, 72.8530,

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

67.1575, 72.8530, 53.1703

Protanopia

68.1533, 72.5894, 52.5386

Deuteranopia

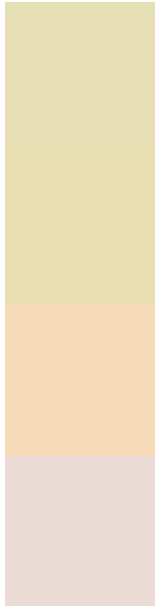
73.9383, 72.8138, 55.5049



Tritanopia

74.1889, 72.9995, 87.2709

Trichromacy



Original Color

67.1575, 72.8530, 53.1703

Protanomaly

67.7614, 72.7805, 52.5961

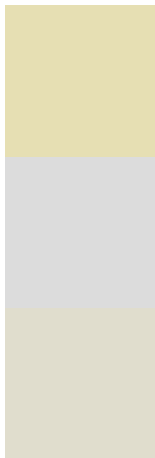
Deuteranomaly

71.2624, 72.5959, 54.5125

Tritanomaly

71.2734, 72.9596, 73.2769

Monochromacy



Original Color

67.1575, 72.8530, 53.1703

Achromatopsia

68.0267, 71.5694, 77.9390

Achromatomaly

67.6164, 71.9680, 68.0851

CSS Examples

Text

The CSS property to change the color of the text to XYZ 67.1575, 72.8530, 53.1703 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(230, 223, 179)` looks like.

```
.text, #text, p{  
    color:rgb(230, 223, 179)  
}
```

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(230, 223, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 223, 179) }
```

Border

The CSS property to change the border of an element to XYZ 67.1575, 72.8530, 53.1703 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(230, 223, 179) }
```


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

```
.border{ border-color:rgb(230, 223, 179) }
```

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

Here you see how a box with a 4 pixel `rgb(230, 223, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 223, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 223, 179);  
box-shadow:4px 4px 4px 4px rgb(230, 223,  
179) }
```

Background

The CSS property to change the background color of an element to XYZ 67.1575, 72.8530, 53.1703 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 223, 179) }
```

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

```
.background{ background-color: rgb(230,  
223, 179) }
```

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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