

Converting Colors

XYZ(68.4920, 72.9606, 61.5118)

Have a look what the booklet for
XYZ(68.4920, 72.9606, 61.5118)
contains.

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Color

**XYZ(68.4920, 72.9606,
61.5118)**

Conversions

Conversions Part 1

Format	Color
Hex	E6DEC2
RGB	230, 222, 194
RGB Percent	90%, 87%, 76%
CMY	0.0980, 0.1294, 0.2392
CMYK	0.00, 0.03, 0.16, 0.10
HSL	47°, 42%, 83%
HSV	47°, 16%, 90%
XYZ	68.4920, 72.9606, 61.5118
YIQ	221.2000, 13.7560, -7.0120

Conversions

Conversions Part 2

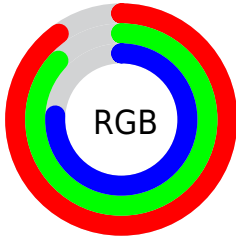
Format	Color
R_{YB}	204, 230, 194
Decimal	15130306
CIE _{Lab}	88.43, -1.86, 14.72
CIE _{LCh}	88, 14.832, 97.193
Yxy	72.9606, 0.3375, 0.3595
Android (android.graphics.Color)	4293320386 (0xFFE6DEC2)
YUV	221.2000, -13.4096, 7.7176
Hunter-Lab	85.4170, -6.3487, 17.0950

Details

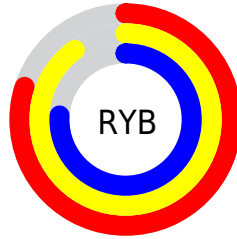
The XYZ color **68.4920, 72.9606, 61.5118** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **57.6514, 59.4223, 83.2945**, and the grayscale version is **68.9538, 72.5448, 79.0013**.

A 20% lighter version of the original color is **94.4126, 99.7450, 105.5434**, and **36.0079, 38.5296, 30.3501** is the 20% darker color. If you saturate the color by 10%, you get **64.7707, 69.3364, 48.4984**, and if you desaturate by 10%, it is **72.6582, 76.8334, 76.6477**.

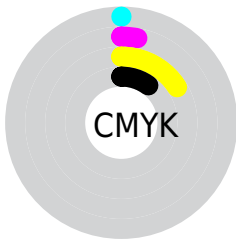
Distribution



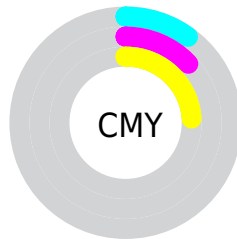
- Red (90%)
- Green (87%)
- Blue (76%)



- Red (80%)
- Yellow (90%)
- Blue (76%)



- Cyan (0%)
- Magenta (3%)
- Yellow (16%)
- Black (10%)



- Cyan (10%)
- Magenta (13%)
- Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 68.4920, 72.9606, 61.5118 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 68.4920, 72.9606, 61.5118 by changing the saturation by 10% instead.

68.4920, 72.9606,
61.5118

68.4920, 72.9606,
61.5118

444.5867,
470.8782, 448.1065

50.5732, 53.9437,
44.2051

116.0938,
123.4213, 108.5844

36.0887, 38.5567,
30.4934

146.5075,
155.6339, 139.1873

24.6732, 26.4150,
19.9582

181.8169,
193.0139, 175.0595

15.9612, 17.1344,
12.1809

222.3873,
235.9456, 216.6193

9.5873, 10.3304,
6.7429

268.5842,
284.8136, 264.2854

5.1864, 5.6185,
3.2259

320.7728,

2.3929, 2.6145,

340.0020, 318.4762

1.2111

379.3185,
401.8955, 379.6104

■ 0.8416, 0.9340,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 68.4920, 72.9606,
61.5118

■ 68.4920, 72.9606,
61.5118

■ 64.7707, 69.3364,
48.4984

■ 72.6582, 76.8334,
76.6477

■ 61.4697, 65.9431,
37.5061

■ 77.2809, 80.9527,
93.9918

■ 58.5709, 62.7753,
28.4324

■ 81.0632, 84.8027,
106.7038

■ 56.0523, 59.8236,
21.1636

■ 82.5660, 87.8084,
107.2048

■ 53.8898, 57.0778,
15.5742

■ 84.1114, 90.8991,
107.7199

■ 52.0560, 54.5263,
11.5225

■ 85.6995, 94.0755,
108.2493

■ 50.5194, 52.1559,
8.8434

■ 86.4434, 95.5631,
108.4972

■ 49.2408, 49.9502,
7.3333

■ 48.7374, 49.0313,
6.8952

Harmonies

Analogous

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



72.0382, 72.9606, 62.6832



68.4920, 72.9606, 61.5118



65.2848, 72.9606, 64.8059

Triad

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



68.4920, 72.9606, 61.5118



64.0280, 72.9606, 91.9108



75.8601, 72.9606, 87.2975

Complementary

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



68.4920, 72.9606, 61.5118



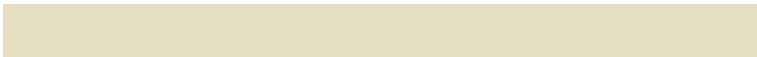
57.6514, 59.4223, 83.2945

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.



73.5740, 72.9606, 96.1302



68.4920, 72.9606, 61.5118



66.7234, 72.9606, 98.9489

Square

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



68.4920, 72.9606, 61.5118



62.7655, 72.9606, 81.9255



70.2088, 72.9606, 100.5556



76.3730, 72.9606, 77.0086

Rectangle

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



68.4920, 72.9606, 61.5118



63.7431, 72.9606, 69.2721



70.2088, 72.9606, 100.5556



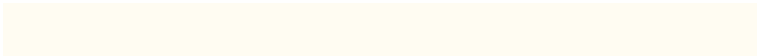
75.2698, 72.9606, 90.5608

Sweetspot

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



68.4940, 72.9638, 61.5134



92.1679, 97.4124, 98.1461



62.6338, 59.6908, 64.3470



19.6436, 20.7738, 20.6960



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.



68.4940, 72.9638, 61.5134



84.8704, 90.5888, 71.7557



67.6715, 75.7674, 62.0979



15.3158, 16.2456, 15.2329



27.6870, 27.9481, 3.9353



2.1131, 2.1995, 0.3132

Inverse Universe

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



57.6514, 59.4223, 83.2945



68.5495, 70.2065, 104.5460



58.3679, 57.0787, 82.8044



13.8411, 14.4036, 18.1950



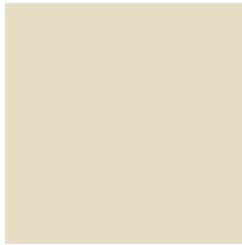
8.8330, 4.7281, 42.8302



0.7210, 0.4859, 3.1878

Previews

White Background



This preview shows how the XYZ color 68.4920, 72.9606, 61.5118 looks on a white background.

Color Contrast Check

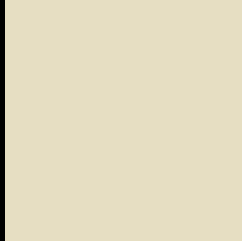
Large Text (above 18pt) WCAG AA × Fail

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 68.4920, 72.9606, 61.5118 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

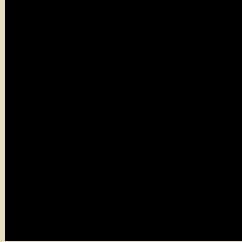
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

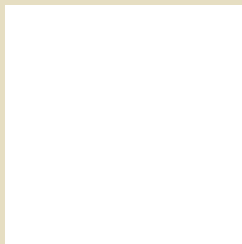
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 68.4920, 72.9606, 61.5118

Background



This preview shows how black text looks on a background with the XYZ color 68.4920, 72.9606, 61.5118.

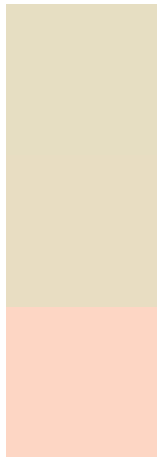


This preview shows how white text looks on a background with the XYZ color 68.4920, 72.9606,

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

68.4920, 72.9606, 61.5118

Protanopia

68.8728, 72.7637, 61.4538

Deuteranopia

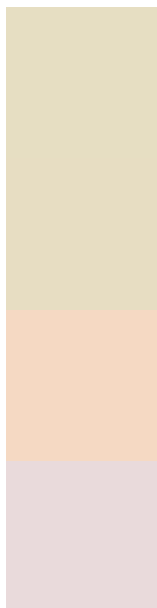
74.5184, 72.9613, 62.3799



Tritanopia

73.5248, 72.6571, 87.2398

Trichromacy



Original Color

68.4920, 72.9606, 61.5118

Protanomaly

68.5491, 72.5969, 61.4386

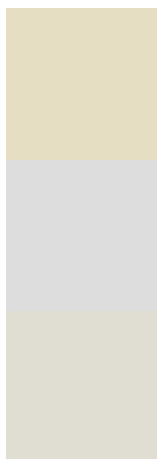
Deuteranomaly

72.3194, 72.9783, 61.9043

Tritanomaly

71.4619, 72.5809, 77.2609

Monochromacy



Original Color

68.4920, 72.9606, 61.5118

Achromatopsia

68.7264, 72.3055, 78.7407

Achromatomaly

68.3548, 72.2633, 71.9736

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.4920, 72.9606, 61.5118 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, 222, 194)` looks like.

```
.text, #text, p{  
    color:rgb(230, 222, 194)  
}
```

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, 222, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 222, 194) }
```

Border

The CSS property to change the border of an element to XYZ 68.4920, 72.9606, 61.5118 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, 222, 194) }
```


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

```
.border{ border-color:rgb(230, 222, 194) }
```

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

Here you see how a box with a 4 pixel rgb(230, 222, 194) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 222, 194); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 222, 194);  
box-shadow:4px 4px 4px 4px rgb(230, 222,  
194) }
```

Background

The CSS property to change the background color of an element to XYZ 68.4920, 72.9606, 61.5118 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 222, 194) }
```

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

```
.background{ background-color: rgb(230,  
222, 194) }
```

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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