

Converting Colors

XYZ(12.3048, 12.1769, 12.5275)

Have a look what the booklet for
XYZ(12.3048, 12.1769, 12.5275)
contains.

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Color

**XYZ(12.3421, 12.1988,
12.5306)**

Conversions

Conversions Part 1

Format	Color
Hex	6C5F5F
RGB	108, 95, 95
RGB Percent	42%, 37%, 37%
CMY	0.5765, 0.6274, 0.6274
CMYK	0.00, 0.12, 0.12, 0.58
HSL	0°, 6%, 40%
HSV	0°, 12%, 42%
XYZ	12.3421, 12.1988, 12.5306
YIQ	98.8870, 7.7480, 2.7560

Conversions

Conversions Part 2

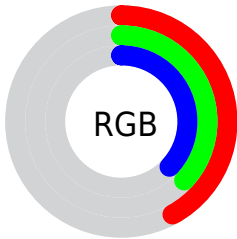
Format	Color
R_{YB}	108, 95, 95
Decimal	7102303
CIE Lab	41.53, 5.22, 1.91
CIE LCh	42, 5.556, 20.083
Yxy	12.1988, 0.3329, 0.3291
Android (android.graphics.Color)	4285292383 (0xFF6C5F5F)
YUV	98.8870, -1.9163, 7.9921
Hunter-Lab	34.9268, 1.9548, 3.1774

Details

The XYZ color **12.3421, 12.1988, 12.5306** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **12.7886, 14.2404, 16.2621**, and the grayscale version is **11.8349, 12.4512, 13.5594**.

A 20% lighter version of the original color is **29.7334, 29.7687, 30.9669**, and **3.5162, 3.3790, 3.3726** is the 20% darker color. If you saturate the color by 10%, you get **10.9787, 10.2039, 9.8197**, and if you desaturate by 10%, it is **13.9091, 14.4918, 15.6455**.

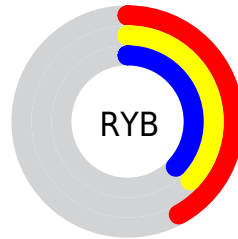
Distribution



Red (42%)

Green (37%)

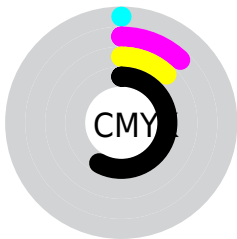
Blue (37%)



Red (42%)

Yellow (37%)

Blue (37%)

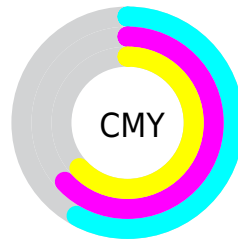


Cyan (0%)

Magenta (12%)

Yellow (12%)

Black (58%)



Cyan (58%)

Magenta (63%)

Yellow (63%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.3421, 12.1988, 12.5306 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 12.3421, 12.1988, 12.5306 by changing the saturation by 10% instead.

■ 12.3421, 12.1988,
12.5306

■ 12.3421, 12.1988,
12.5306

200.3811,
205.7170, 218.9882

■ 7.0510, 6.8792,
6.9792

■ 29.7281, 29.8567,
31.1366

■ 3.5406, 3.3867,
3.3709

■ 42.5537, 42.9637,
45.0283

■ 1.4457, 1.3368,
1.2870

■ 58.6216, 59.4354,
62.5372

■ 0.2884, 0.1694,
0.0511

■ 78.2969, 79.6561,
84.0817

■ 0.0000, 0.0000,
0.0000

101.9452,
104.0102, 110.0806

129.9318,

132.8822, 140.9523

162.6220,
166.6563, 177.1153

■ 12.3421, 12.1988,
12.5306

■ 12.3421, 12.1988,
12.5306

■ 10.9787, 10.2039,
9.8197

■ 13.9091, 14.4918,
15.6455

■ 9.8096, 8.4932,
7.4955

■ 15.6866, 17.0926,
19.1793

■ 8.8263, 7.0543,
5.5408

■ 17.6822, 20.0126,
23.1468

■ 8.0192, 5.8733,
3.9363

■ 19.9030, 23.2622,
27.5622

■ 7.3780, 4.9349,
2.6616

■ 22.3558, 26.8512,
32.4387

■ 6.8910, 4.2223,
1.6936

■ 25.0470, 30.7891,
37.7893

■ 6.5453, 3.7165,
1.0066

■ 27.9828, 35.0848,
43.6262

■ 6.3250, 3.3941,
0.5687

■ 31.1692, 39.7471,
49.9613

■ 6.1846, 3.1885,
0.2895

■ 34.6120, 44.7846,
56.8061

Harmonies

Analogous

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



12.3794, 12.1988, 13.6705



12.3421, 12.1988, 12.5306



12.1019, 12.1988, 11.6429

Triad

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



12.3421, 12.1988, 12.5306



11.0070, 12.1988, 11.9010



11.4609, 12.1988, 15.6047

Complementary

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



12.3421, 12.1988, 12.5306



12.7886, 14.2404, 16.2621

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.



11.1016, 12.1988, 15.0690



12.3421, 12.1988, 12.5306



10.8437, 12.1988, 12.9017

Square

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



12.3421, 12.1988, 12.5306



11.3290, 12.1988, 11.2944



10.8779, 12.1988, 14.0637



11.8643, 12.1988, 15.4910

Rectangle

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



12.3421, 12.1988, 12.5306



11.8621, 12.1988, 11.2924



10.8779, 12.1988, 14.0637



11.3311, 12.1988, 15.4935

Sweetspot

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



12.3424, 12.1993, 12.5309



23.8192, 24.5642, 26.2750



12.9834, 12.4554, 15.9073



5.7231, 5.8838, 6.2757



54.2243, 57.0482, 62.1254



6.0569, 6.3724, 6.9395

Same Dimension

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



12.3424, 12.1993, 12.5309



21.0761, 20.5504, 20.8214



12.9524, 13.4193, 12.7342



3.0998, 3.1169, 3.2557



7.3767, 3.8031, 0.3453



37.5869, 19.3774, 1.7592

Inverse Universe

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



12.7886, 14.2404, 16.2621



21.9976, 24.7664, 28.5287



12.1286, 12.9205, 16.0421



3.1818, 3.4918, 3.9412



9.6227, 14.0796, 19.1327



49.0310, 71.7405, 97.4893

Previews

White Background



This preview shows how the XYZ color 12.3421, 12.1988, 12.5306 looks on a white background.

Color Contrast Check

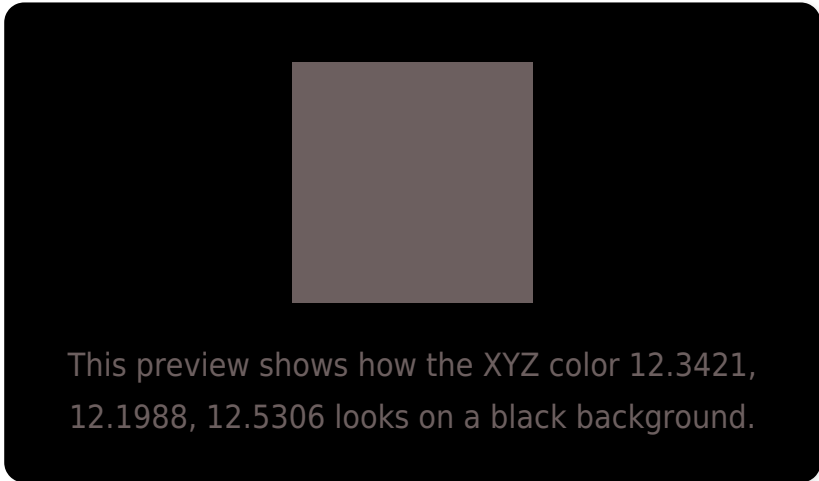
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

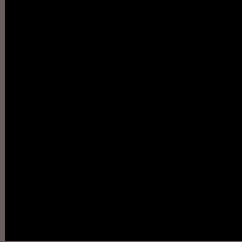
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 12.3421, 12.1988, 12.5306

Background



This preview shows how black text looks on a background with the XYZ color 12.3421, 12.1988, 12.5306.

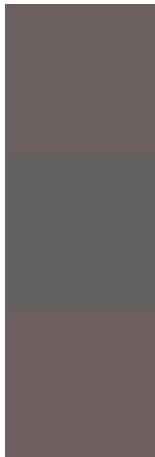


This preview shows how white text looks on a background with the XYZ color 12.3421, 12.1988,

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

12.3421, 12.1988, 12.5306

Protanopia

11.7345, 12.2892, 12.8199

Deuteranopia

12.4644, 12.2619, 12.5363



Tritanopia

12.6583, 12.1962, 13.9989

Trichromacy



Original Color

12.3421, 12.1988, 12.5306

Protanomaly

11.9795, 12.2775, 12.8047

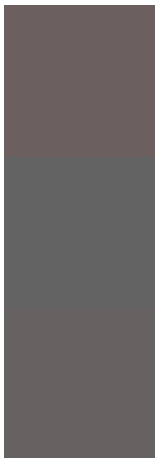
Deuteranomaly

12.4644, 12.2619, 12.5363

Tritanomaly

12.5615, 12.1575, 13.4889

Monochromacy



Original Color

12.3421, 12.1988, 12.5306

Achromatopsia

11.8596, 12.4772, 13.5877

Achromatomaly

12.0518, 12.4420, 13.3216

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.3421, 12.1988, 12.5306 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(108, 95, 95)` looks like.

```
.text, #text, p{  
    color:rgb(108, 95, 95)  
}
```

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(108, 95, 95) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(108, 95, 95) }
```

Border

The CSS property to change the border of an element to XYZ 12.3421, 12.1988, 12.5306 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(108, 95, 95) }
```


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

```
.border{ border-color:rgb(108, 95, 95) }
```

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

Here you see how a box with a 4 pixel `rgb(108, 95, 95)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(108, 95, 95); -webkit-box-  
shadow:4px 4px 4px 4px rgb(108, 95, 95);  
box-shadow:4px 4px 4px 4px rgb(108, 95,  
95) }
```

Background

The CSS property to change the background color of an element to XYZ 12.3421, 12.1988, 12.5306 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(108, 95, 95) }
```

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

```
.background{ background-color: rgb(108, 95,  
95) }
```

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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