

Converting Colors

XYZ(12.1164, 12.5416, 13.4452)

Have a look what the booklet for
XYZ(12.1164, 12.5416, 13.4452)
contains.

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Color

**XYZ(12.0518, 12.4420,
13.3216)**

Conversions

Conversions Part 1

Format	Color
Hex	666262
RGB	102, 98, 98
RGB Percent	40%, 38%, 38%
CMY	0.6000, 0.6157, 0.6157
CMYK	0.00, 0.04, 0.04, 0.60
HSL	0°, 2%, 39%
HSV	0°, 4%, 40%
XYZ	12.0518, 12.4420, 13.3216
YIQ	99.1960, 2.3840, 0.8480

Conversions

Conversions Part 2

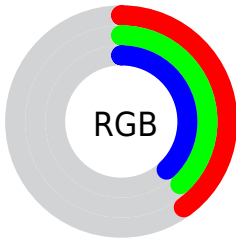
Format	Color
R_{YB}	102, 98, 98
Decimal	6709858
CIE Lab	41.91, 1.58, 0.56
CIE LCh	42, 1.676, 19.427
Yxy	12.4420, 0.3187, 0.3290
Android (android.graphics.Color)	4284899938 (0xFF666262)
YUV	99.1960, -0.5896, 2.4591
Hunter-Lab	35.2732, -0.7400, 2.2993

Details

The XYZ color **12.0518, 12.4420, 13.3216** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **12.1867, 13.0586, 14.4488**, and the grayscale version is **11.9105, 12.5307, 13.6460**.

A 20% lighter version of the original color is **29.3091, 30.4371, 32.7640**, and **3.4234, 3.5161, 3.7471** is the 20% darker color. If you saturate the color by 10%, you get **10.7067, 10.4740, 10.6466**, and if you desaturate by 10%, it is **13.5805, 14.6787, 16.3609**.

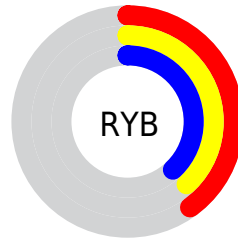
Distribution



Red (40%)

Green (38%)

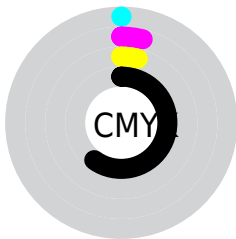
Blue (38%)



Red (40%)

Yellow (38%)

Blue (38%)

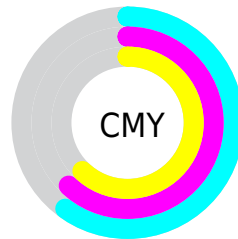


Cyan (0%)

Magenta (4%)

Yellow (4%)

Black (60%)



Cyan (60%)

Magenta (62%)

Yellow (62%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.0518, 12.4420, 13.3216 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 12.0518, 12.4420, 13.3216 by changing the saturation by 10% instead.

■ 12.0518, 12.4420,
13.3216

■ 12.0518, 12.4420,
13.3216

198.5108,
207.3099, 224.2483

■ 6.8514, 7.0455,
7.5170

■ 29.2055, 30.2976,
32.5800

■ 3.4149, 3.4905,
3.7042

■ 41.8894, 43.5254,
46.8709

■ 1.3768, 1.3929,
1.4645

■ 57.7986, 60.1325,
64.8276

■ 0.2396, 0.2115,
0.1913

■ 77.2985, 80.5032,
86.8688

■ 0.0000, 0.0000,
0.0000

100.7542,
105.0218, 113.4129

128.5313,

134.0729, 144.8785

160.9951,
168.0408, 181.6841

■ 12.0518, 12.4420,
13.3216

■ 12.0518, 12.4420,
13.3216

■ 10.7067, 10.4740,
10.6466

■ 13.5805, 14.6787,
16.3609

■ 9.5374, 8.7630,
8.3216

■ 15.2983, 17.1920,
19.7768

■ 8.5368, 7.2990,
6.3323

■ 17.2116, 19.9914,
23.5816

■ 7.6973, 6.0705,
4.6632

■ 19.3265, 23.0856,
27.7873

■ 7.0103, 5.0653,
3.2976

■ 21.6485, 26.4827,
32.4049

■ 6.4667, 4.2699,
2.2172

■ 24.1830, 30.1909,
37.4453

■ 6.0565, 3.6694,
1.4019

■ 26.9353, 34.2177,
42.9190

■ 5.7680, 3.2473,
0.8288

■ 29.9105, 38.5704,
48.8358

■ 5.5814, 2.9740,
0.4579

■ 33.1133, 43.2562,
55.2055

Harmonies

Analogous

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



12.0614, 12.4420, 13.6728



12.0518, 12.4420, 13.3216



11.9813, 12.4420, 13.0357

Triad

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



12.0518, 12.4420, 13.3216



11.6457, 12.4420, 13.1084



11.7821, 12.4420, 14.2289

Complementary

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



12.0518, 12.4420, 13.3216



12.1867, 13.0586, 14.4488

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.



11.6715, 12.4420, 14.0720



12.0518, 12.4420, 13.3216



11.5931, 12.4420, 13.4224

Square

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



12.0518, 12.4420, 13.3216



11.7467, 12.4420, 12.9140



11.6025, 12.4420, 13.7754



11.9051, 12.4420, 14.2008

Rectangle

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



12.0518, 12.4420, 13.3216



11.9096, 12.4420, 12.9186



11.6025, 12.4420, 13.7754



11.7422, 12.4420, 14.1960

Sweetspot

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



12.0522, 12.4425, 13.3219



21.8784, 22.9067, 24.8385



12.2456, 12.5196, 14.3417



5.1668, 5.4120, 5.8706



51.1593, 53.8236, 58.6138



5.2251, 5.4972, 5.9864

Same Dimension

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



12.0522, 12.4425, 13.3219



20.8312, 21.3745, 22.7563



12.2415, 12.8212, 13.3850



2.9521, 3.0258, 3.2183



7.0380, 3.6291, 0.3295



36.7051, 18.9241, 1.7181

Inverse Universe

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



12.1867, 13.0586, 14.4488



21.1382, 22.7806, 25.3287



11.9926, 12.6705, 14.3842



2.9974, 3.2335, 3.5981



9.1760, 13.4238, 18.2518



47.8558, 70.0083, 95.1921

Previews

White Background



This preview shows how the XYZ color 12.0518, 12.4420, 13.3216 looks on a white background.

Color Contrast Check

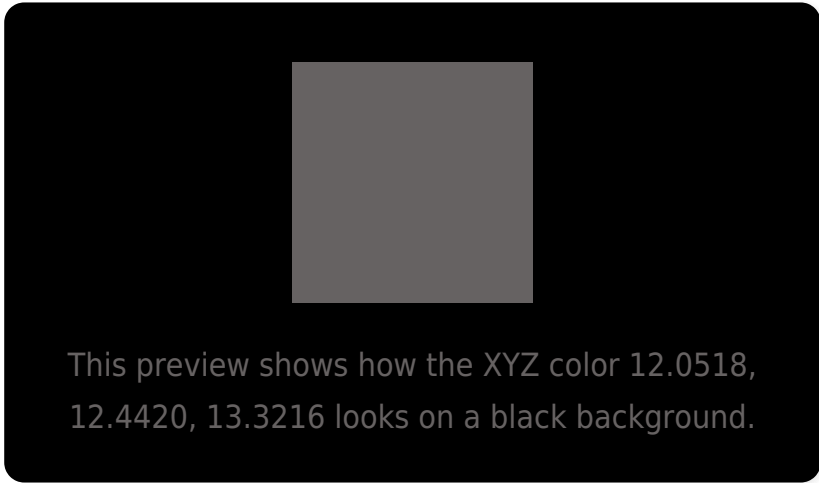
Large Text (above 18pt) WCAG AA ✓ Pass

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

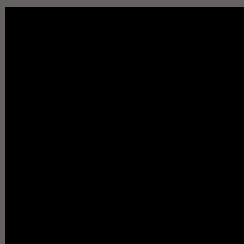
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

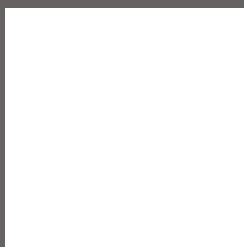
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 12.0518, 12.4420, 13.3216

Background



This preview shows how black text looks on a background with the XYZ color 12.0518, 12.4420, 13.3216.



This preview shows how white text looks on a background with the XYZ color 12.0518, 12.4420,

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

12.0518, 12.4420, 13.3216

Protanopia

11.9391, 12.3839, 13.3163

Deuteranopia

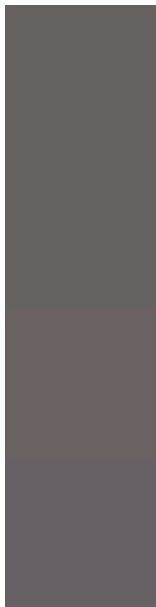
12.5718, 12.4357, 13.2930



Tritanopia

12.4180, 12.4529, 15.1137

Trichromacy



Original Color

12.0518, 12.4420, 13.3216

Protanomaly

11.9391, 12.3839, 13.3163

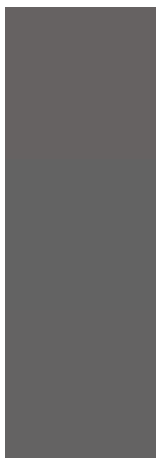
Deuteranomaly

12.4232, 12.4954, 13.3124

Tritanomaly

12.2665, 12.3923, 14.3158

Monochromacy



Original Color

12.0518, 12.4420, 13.3216

Achromatopsia

11.8596, 12.4772, 13.5877

Achromatomaly

11.9695, 12.5339, 13.5928

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.0518, 12.4420, 13.3216 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(102, 98, 98)` looks like.

```
.text, #text, p{  
    color:rgb(102, 98, 98)  
}
```

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(102, 98, 98) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 98, 98) }
```

Border

The CSS property to change the border of an element to XYZ 12.0518, 12.4420, 13.3216 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(102, 98, 98) }
```


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

```
.border{ border-color:rgb(102, 98, 98) }
```

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

Here you see how a box with a 4 pixel rgb(102, 98, 98) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 98, 98); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 98, 98);  
box-shadow:4px 4px 4px 4px rgb(102, 98,  
98) }
```

Background

The CSS property to change the background color of an element to XYZ 12.0518, 12.4420, 13.3216 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 98, 98) }
```

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

```
.background{ background-color: rgb(102, 98,  
98) }
```

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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