

Converting Colors

XYZ(12.0847, 13.0611, 11.9635)

Have a look what the booklet for
XYZ(12.0847, 13.0611, 11.9635)
contains.

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Color

**XYZ(12.0500, 13.0422,
12.0075)**

Conversions

Conversions Part 1

Format	Color
Hex	65665C
RGB	101, 102, 92
RGB Percent	40%, 40%, 36%
CMY	0.6039, 0.6000, 0.6392
CMYK	0.01, 0.00, 0.10, 0.60
HSL	66°, 5%, 38%
HSV	66°, 10%, 40%
XYZ	12.0500, 13.0422, 12.0075
YIQ	100.5610, 2.6140, -3.3220

Conversions

Conversions Part 2

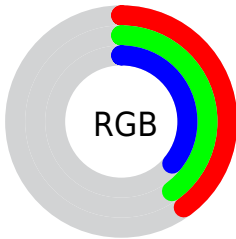
Format	Color
RYB	92, 102, 93
Decimal	6645340
CIELab	42.83, -2.38, 5.52
CIElCh	43, 6.009, 113.364
Yxy	13.0422, 0.3248, 0.3515
Android (android.graphics.Color)	4284835420 (0xFF65665C)
YUV	100.5610, -4.2206, 0.3850
Hunter-Lab	36.1140, -3.6401, 5.5665

Details

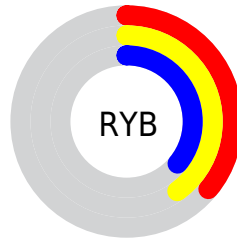
The XYZ color **12.0500, 13.0422, 12.0075** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **10.7401, 10.9411, 14.1169**, and the grayscale version is **12.2670, 12.9058, 14.0545**.

A 20% lighter version of the original color is **29.2226, 31.4109, 30.1139**, and **3.3807, 3.7139, 3.1234** is the 20% darker color. If you saturate the color by 10%, you get **11.5202, 12.8176, 9.8098**, and if you desaturate by 10%, it is **12.6420, 13.2927, 14.5222**.

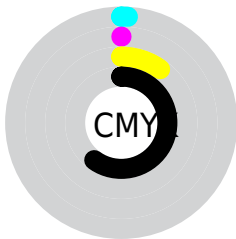
Distribution



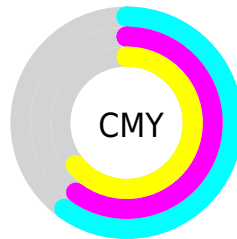
- Red (40%)
- Green (40%)
- Blue (36%)



- Red (36%)
- Yellow (40%)
- Blue (36%)



- Cyan (1%)
- Magenta (0%)
- Yellow (10%)
- Black (60%)



- Cyan (60%)
- Magenta (60%)
- Yellow (64%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.0500, 13.0422, 12.0075 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 12.0500, 13.0422, 12.0075 by changing the saturation by 10% instead.

■ 12.0500, 13.0422,
12.0075

■ 12.0500, 13.0422,
12.0075

198.4992,
211.1879, 215.4346

■ 6.8502, 7.4576,
6.6262

■ 29.2022, 31.3796,
30.1734

■ 3.4141, 3.7499,
3.1546

■ 41.8853, 44.9012,
43.7950

■ 1.3763, 1.5347,
1.1741

■ 57.7935, 61.8372,
61.0005

■ 0.2393, 0.3129,
0.0000

■ 77.2923, 82.5721,
82.2084

■ 0.0000, 0.0000,
0.0000

100.7468,
107.4902, 107.8372

128.5226,

136.9759, 138.3055

160.9849,
171.4137, 174.0318

■ 12.0500, 13.0422,
12.0075

■ 12.0500, 13.0422,
12.0075

■ 11.5202, 12.8176,
9.8098

■ 12.6420, 13.2927,
14.5222

■ 11.0492, 12.6162,
7.9155

■ 13.2974, 13.5683,
17.3648

■ 10.6347, 12.4376,
6.3118

■ 14.0186, 13.8705,
20.5468

■ 10.2740, 12.2807,
4.9840

■ 14.8078, 14.1999,
24.0790

■ 9.9642, 12.1442,
3.9167

■ 15.6668, 14.5575,
27.9716

■ 9.7019, 12.0270,
3.0926

■ 16.5976, 14.9440,
32.2345

■ 9.4836, 11.9275,
2.4925

■ 17.6019, 15.3600,
36.8769

■ 9.3050, 11.8441,
2.0944

■ 18.6815, 15.8063,
41.9081

■ 9.1466, 11.7689,
1.7952

■ 19.8381, 16.2836,
47.3369

Harmonies

Analogous

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



12.4983, 13.0422, 11.8384



12.0500, 13.0422, 12.0075



11.7024, 13.0422, 12.7473

Triad

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



12.0500, 13.0422, 12.0075



11.8777, 13.0422, 16.3239



13.2924, 13.0422, 14.4944

Complementary

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



12.0500, 13.0422, 12.0075



10.7401, 10.9411, 14.1169

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.



13.1169, 13.0422, 15.7607



12.0500, 13.0422, 12.0075



12.2947, 13.0422, 16.8582

Square

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



12.0500, 13.0422, 12.0075



11.6047, 13.0422, 15.2254



12.7490, 13.0422, 16.6460



13.2230, 13.0422, 13.2231

Rectangle

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



12.0500, 13.0422, 12.0075



11.5709, 13.0422, 13.4904



12.7490, 13.0422, 16.6460



13.2599, 13.0422, 14.9356

Sweetspot

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



12.0504, 13.0428, 12.0078



21.8175, 23.1625, 23.9583



11.3261, 11.4265, 11.7340



5.1303, 5.4572, 5.5811



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.



12.0504, 13.0428, 12.0078



20.8864, 22.7685, 20.0275



11.5075, 12.7629, 11.9824



3.0146, 3.2547, 3.0438



11.7247, 15.1030, 2.2972



60.7327, 78.5549, 11.9616

Inverse Universe

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



10.7401, 10.9411, 14.1169



18.0407, 18.2038, 24.6085



11.2629, 11.2106, 14.1414



2.7160, 2.7756, 3.5246



3.2248, 1.3067, 16.2266



16.4478, 6.6234, 84.6129

Previews

White Background



This preview shows how the XYZ color 12.0500, 13.0422, 12.0075 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



This preview shows how the XYZ color 12.0500, 13.0422, 12.0075 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

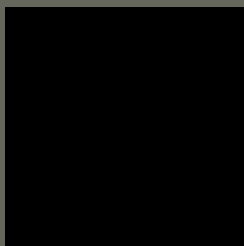
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

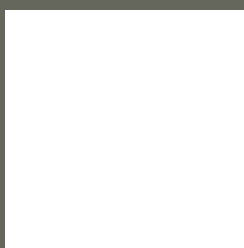
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 12.0500, 13.0422, 12.0075

Background



This preview shows how black text looks on a background with the XYZ color 12.0500, 13.0422, 12.0075.



This preview shows how white text looks on a background with the XYZ color 12.0500, 13.0422,

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

12.0500, 13.0422, 12.0075

Protanopia

12.3677, 13.0659, 11.7677

Deuteranopia

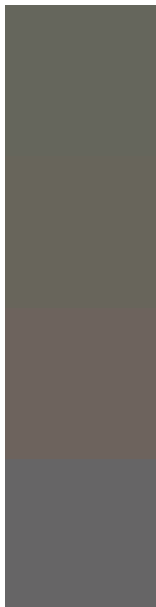
13.2829, 13.1031, 12.1850



Tritanopia

12.8575, 13.0806, 16.0345

Trichromacy



Original Color

12.0500, 13.0422, 12.0075

Protanomaly

12.2509, 13.0057, 11.7622

Deuteranomaly

12.7443, 12.9652, 12.1868

Tritanomaly

12.5314, 13.0915, 14.4368

Monochromacy



Original Color

12.0500, 13.0422, 12.0075

Achromatopsia

12.3695, 13.0136, 14.1719

Achromatomaly

12.2251, 12.9559, 13.4117

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.0500, 13.0422, 12.0075 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(101, 102, 92)` looks like.

```
.text, #text, p{  
    color:rgb(101, 102, 92)  
}
```

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(101, 102, 92) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(101, 102, 92) }
```

Border

The CSS property to change the border of an element to XYZ 12.0500, 13.0422, 12.0075 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(101, 102, 92) }
```


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

```
.border{ border-color:rgb(101, 102, 92) }
```

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

Here you see how a box with a 4 pixel `rgb(101, 102, 92)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(101, 102, 92); -webkit-box-  
shadow:4px 4px 4px 4px rgb(101, 102, 92);  
box-shadow:4px 4px 4px 4px rgb(101, 102,  
92) }
```

Background

The CSS property to change the background color of an element to XYZ 12.0500, 13.0422, 12.0075 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(101, 102, 92) }
```

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

```
.background{ background-color: rgb(101,  
102, 92) }
```

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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