

Converting Colors

XYZ(12.1449, 13.8022, 6.2106)

Have a look what the booklet for
XYZ(12.1449, 13.8022, 6.2106)
contains.

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Color

**XYZ(12.1278, 13.8120,
6.1644)**

Conversions

Conversions Part 1

Format	Color
Hex	6C6A3B
RGB	108, 106, 59
RGB Percent	42%, 42%, 23%
CMY	0.5765, 0.5843, 0.7686
CMYK	0.00, 0.02, 0.45, 0.58
HSL	58°, 29%, 33%
HSV	58°, 45%, 42%
XYZ	12.1278, 13.8120, 6.1644
YIQ	101.2400, 16.2790, -14.1930

Conversions

Conversions Part 2

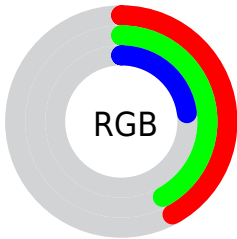
Format	Color
RYB	61, 108, 59
Decimal	7105083
CIELab	43.96, -6.74, 26.59
CIELCh	44, 27.427, 104.220
Yxy	13.8120, 0.3778, 0.4302
Android (android.graphics.Color)	4285295163 (0xFF6C6A3B)
YUV	101.2400, -20.8243, 5.9285
Hunter-Lab	37.1645, -6.7884, 16.1808

Details

The XYZ color **12.1278, 13.8120, 6.1644** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **6.1791, 5.3498, 14.8943**, and the grayscale version is **12.4812, 13.1312, 14.2999**.

A 20% lighter version of the original color is **29.2080, 32.6491, 18.6724**, and **3.4469, 4.0894, 1.0231** is the 20% darker color. If you saturate the color by 10%, you get **11.8311, 13.6214, 4.8237**, and if you desaturate by 10%, it is **12.4834, 14.0275, 7.8111**.

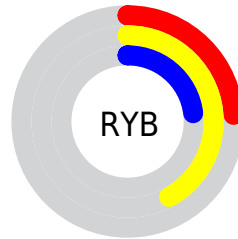
Distribution



Red (42%)

Green (42%)

Blue (23%)



Red (24%)

Yellow (42%)

Blue (23%)

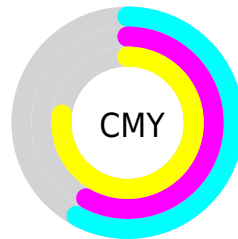


Cyan (0%)

Magenta (2%)

Yellow (45%)

Black (58%)



Cyan (58%)

Magenta (58%)

Yellow (77%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.1278, 13.8120, 6.1644 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 12.1278, 13.8120, 6.1644 by changing the saturation by 10% instead.

12.1278, 13.8120,
6.1644

12.1278, 13.8120,
6.1644

199.0022,
216.0581, 169.8863

6.9036, 7.9900,
2.8749

29.3425, 32.7551,
18.7547

3.4477, 4.0886,
1.0311

42.0637, 46.6450,
28.8926

1.3947, 1.7232,
0.0000

58.0146, 63.9930,
42.1504

0.2524, 0.4386,
0.0000

77.5606, 85.1834,
58.9465

0.0000, 0.0000,
0.0000

101.0670,
110.6008, 79.6997

128.8991,

140.6294, 104.8283

161.4224,
175.6537, 134.7510

■ 12.1278, 13.8120,
6.1644

■ 12.1278, 13.8120,
6.1644

■ 11.8311, 13.6214,
4.8237

■ 12.4834, 14.0275,
7.8111

■ 11.5887, 13.4524,
3.7692

■ 12.9002, 14.2673,
9.7803

■ 11.3969, 13.3041,
2.9801

■ 13.3815, 14.5334,
12.0884

■ 11.2512, 13.1745,
2.4324

■ 13.9303, 14.8268,
14.7503

■ 11.1422, 13.0600,
2.0772

■ 14.5491, 15.1486,
17.7802

■ 11.0943, 13.0082,
1.9261

■ 15.2406, 15.4998,
21.1913

■ 16.0071, 15.8814,
24.9964

■ 16.8509, 16.2943,
29.2074

■ 17.7742, 16.7394,
33.8360

Harmonies

Analogous

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



14.2976, 13.8120, 6.2111



12.1278, 13.8120, 6.1644



10.4236, 13.8120, 7.9885

Triad

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



12.1278, 13.8120, 6.1644



10.3547, 13.8120, 25.0262



17.5744, 13.8120, 18.5344

Complementary

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



12.1278, 13.8120, 6.1644



6.1791, 5.3498, 14.8943

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.



16.2636, 13.8120, 25.3512



12.1278, 13.8120, 6.1644



12.0238, 13.8120, 29.7479

Square

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



12.1278, 13.8120, 6.1644



9.4791, 13.8120, 18.1748



14.1815, 13.8120, 29.8810



17.6102, 13.8120, 12.2862

Rectangle

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



12.1278, 13.8120, 6.1644



9.7127, 13.8120, 10.4108



14.1815, 13.8120, 29.8810



17.2623, 13.8120, 20.8683

Sweetspot

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



12.1281, 13.8126, 6.1647



23.5829, 25.5640, 21.6570



8.6029, 6.6580, 5.3105



5.6714, 6.1677, 5.0650



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.



12.1281, 13.8126, 6.1647



20.7665, 23.9111, 8.4485



9.9852, 13.0170, 6.1241



3.3231, 3.5634, 3.3301



13.2282, 15.5061, 2.2958



67.2443, 78.6923, 11.6450

Inverse Universe

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



6.1791, 5.3498, 14.8943



8.9432, 7.0944, 25.8057



7.6685, 5.9623, 14.9340



2.9574, 3.0431, 3.8664



3.2804, 1.3952, 17.0187



16.5592, 6.7969, 86.6654

Previews

White Background



This preview shows how the XYZ color 12.1278, 13.8120, 6.1644 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 12.1278, 13.8120, 6.1644 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

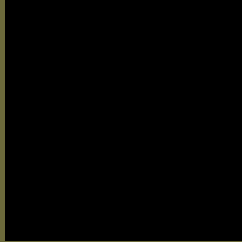
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 12.1278, 13.8120, 6.1644

Background



This preview shows how black text looks on a background with the XYZ color 12.1278, 13.8120, 6.1644.



This preview shows how white text looks on a background with the XYZ color 12.1278, 13.8120,

6.1644.

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

12.1278, 13.8120, 6.1644

Protanopia

12.6535, 13.7835, 5.9966

Deuteranopia

13.9083, 13.6962, 6.3255



Tritanopia

14.0740, 13.7078, 16.0914

Trichromacy



Original Color

12.1278, 13.8120, 6.1644

Protanomaly

12.4974, 13.8534, 6.0183

Deuteranomaly

13.1747, 13.7509, 6.2348

Tritanomaly

13.1524, 13.6204, 11.6087

Monochromacy



Original Color

12.1278, 13.8120, 6.1644

Achromatopsia

12.3695, 13.0136, 14.1719

Achromatomaly

12.2389, 13.3154, 10.7292

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.1278, 13.8120, 6.1644 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, 106, 59)` looks like.

```
.text, #text, p{  
    color:rgb(108, 106, 59)  
}
```

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, 106, 59) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(108, 106, 59) }
```

Border

The CSS property to change the border of an element to XYZ 12.1278, 13.8120, 6.1644 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, 106, 59) }
```


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

```
.border{ border-color:rgb(108, 106, 59) }
```

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

Here you see how a box with a 4 pixel `rgb(108, 106, 59)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(108, 106, 59); -webkit-box-  
shadow:4px 4px 4px 4px rgb(108, 106, 59);  
box-shadow:4px 4px 4px 4px rgb(108, 106,  
59) }
```

Background

The CSS property to change the background color of an element to XYZ 12.1278, 13.8120, 6.1644 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(108, 106, 59) }
```

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

```
.background{ background-color: rgb(108,  
106, 59) }
```

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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