

Converting Colors

XYZ(12.3653, 13.0978, 14.4470)

Have a look what the booklet for
XYZ(12.3653, 13.0978, 14.4470)
contains.

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Color

**XYZ(12.4052, 13.1714,
14.4589)**

Conversions

Conversions Part 1

Format	Color
Hex	646666
RGB	100, 102, 102
RGB Percent	39%, 40%, 40%
CMY	0.6078, 0.6000, 0.6000
CMYK	0.02, 0.00, 0.00, 0.60
HSL	180°, 1%, 40%
HSV	180°, 2%, 40%
XYZ	12.4052, 13.1714, 14.4589
YIQ	101.4020, -1.1920, -0.4240

Conversions

Conversions Part 2

Format	Color
R_{YB}	100, 101, 102
Decimal	6579814
CIE Lab	43.02, -0.77, -0.28
CIE LCh	43, 0.821, 199.715
Yxy	13.1714, 0.3099, 0.3290
Android (android.graphics.Color)	4284769894 (0xFF646666)
YUV	101.4020, 0.2948, -1.2296
Hunter-Lab	36.2924, -2.4982, 1.7836

Details

The XYZ color **12.4052, 13.1714, 14.4589** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **12.3374, 12.8596, 13.8892**, and the grayscale version is **12.4735, 13.1230, 14.2910**.

A 20% lighter version of the original color is **29.9035, 31.6617, 34.6722**, and **3.5240, 3.7651, 4.1554** is the 20% darker color. If you saturate the color by 10%, you get **11.3466, 12.6261, 14.4072**, and if you desaturate by 10%, it is **13.6059, 13.7907, 14.5177**.

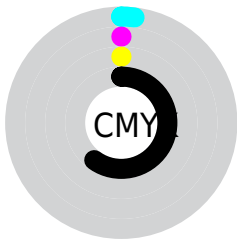
Distribution



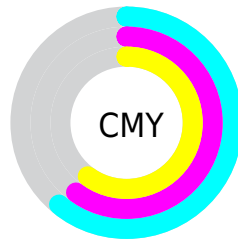
- Red (39%)
- Green (40%)
- Blue (40%)



- Red (39%)
- Yellow (40%)
- Blue (40%)



- Cyan (2%)
- Magenta (0%)
- Yellow (0%)
- Black (60%)



- Cyan (61%)
- Magenta (60%)
- Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.4052, 13.1714, 14.4589 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 12.4052, 13.1714, 14.4589 by changing the saturation by 10% instead.

■ 12.4052, 13.1714,
14.4589

■ 12.4052, 13.1714,
14.4589

200.7853,
212.0132, 231.5941

■ 7.0944, 7.5467,
8.2981

■ 29.8415, 31.6114,
34.6299

■ 3.5681, 3.8063,
4.1958

■ 42.6977, 45.1954,
49.4771

■ 1.4608, 1.5658,
1.7334

■ 58.7997, 62.2013,
68.0570

■ 0.2989, 0.3344,
0.3835

■ 78.5130, 83.0136,
90.7880

■ 0.0000, 0.0000,
0.0000

102.2028,
108.0165, 118.0887

130.2346,

137.5945, 150.3776

162.9736,
172.1319, 188.0732

■ 12.4052, 13.1714,
14.4589

■ 12.4052, 13.1714,
14.4589

■ 11.3466, 12.6261,
14.4072

■ 13.6059, 13.7907,
14.5177

■ 10.4237, 12.1503,
14.3617

■ 14.9524, 14.4848,
14.5831

■ 9.6313, 11.7419,
14.3222

■ 16.4498, 15.2567,
14.6556

■ 8.9636, 11.3978,
14.2886

■ 18.1026, 16.1087,
14.7353

■ 8.4143, 11.1146,
14.2605

■ 19.9151, 17.0430,
14.8226

■ 7.9763, 10.8889,
14.2376

■ 21.8915, 18.0618,
14.9174

■ 7.6422, 10.7167,
14.2196

■ 24.0356, 19.1671,
15.0202

■ 7.4033, 10.5936,
14.2060

■ 26.3514, 20.3609,
15.1309

■ 7.2485, 10.5138,
14.1964

■ 28.8425, 21.6450,
15.2499

Harmonies

Analogous

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



12.4001, 13.1714, 14.2795



12.4052, 13.1714, 14.4589



12.4408, 13.1714, 14.6080

Triad

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



12.4052, 13.1714, 14.4589



12.6118, 13.1714, 14.5672



12.5407, 13.1714, 14.0024

Complementary

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



12.4052, 13.1714, 14.4589



12.3374, 12.8596, 13.8892

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.



12.5976, 13.1714, 14.0781



12.4052, 13.1714, 14.4589



12.6387, 13.1714, 14.4035

Square

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



12.4052, 13.1714, 14.4589



12.5600, 13.1714, 14.6709



12.6335, 13.1714, 14.2246



12.4782, 13.1714, 14.0169

Rectangle

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



12.4052, 13.1714, 14.4589



12.4770, 13.1714, 14.6697



12.6335, 13.1714, 14.2246



12.5611, 13.1714, 14.0181

Sweetspot

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



12.4056, 13.1720, 14.4592



21.9414, 23.1953, 25.3660



12.3112, 13.1347, 13.9432



5.1804, 5.4741, 5.9842



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.



12.4056, 13.1720, 14.4592



21.7367, 23.0898, 25.3560



12.3111, 12.9829, 14.4281



3.0958, 3.2843, 3.6026



9.1765, 13.4342, 18.2226



47.8583, 70.0659, 95.0307

Inverse Universe

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



12.3374, 12.8596, 13.8892



21.6115, 22.5159, 24.3086



12.4307, 13.0463, 13.9198



3.0803, 3.2134, 3.4734



7.0380, 3.6281, 0.3323



36.7050, 18.9220, 1.7240

Previews

White Background



This preview shows how the XYZ color 12.4052, 13.1714, 14.4589 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 12.4052, 13.1714, 14.4589 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

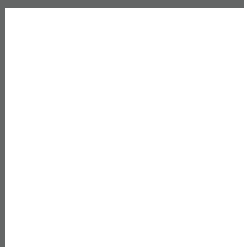
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 12.4052, 13.1714, 14.4589

Background



This preview shows how black text looks on a background with the XYZ color 12.4052, 13.1714, 14.4589.

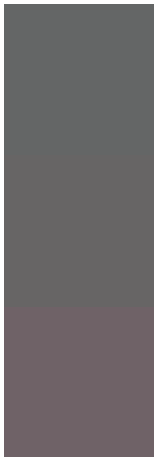


This preview shows how white text looks on a background with the XYZ color 12.4052, 13.1714,

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

12.4052, 13.1714, 14.4589

Protanopia

12.5962, 13.1305, 14.1825

Deuteranopia

13.3714, 13.0941, 14.6546



Tritanopia

12.7808, 13.1782, 16.3380

Trichromacy

**Original Color**

12.4052, 13.1714, 14.4589

Protanomaly

12.4821, 13.0717, 14.1771

Deuteranomaly

12.9734, 13.0288, 14.6630

Tritanomaly

12.6220, 13.1147, 15.5018

Monochromacy

**Original Color**

12.4052, 13.1714, 14.4589

Achromatopsia

12.3695, 13.0136, 14.1719

Achromatomaly

12.3695, 13.0136, 14.1719

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.4052, 13.1714, 14.4589 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(100, 102, 102)` looks like.

```
.text, #text, p{  
    color:rgb(100, 102, 102)  
}
```

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(100, 102, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 102, 102) }
```

Border

The CSS property to change the border of an element to XYZ 12.4052, 13.1714, 14.4589 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(100, 102, 102) }
```


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

```
.border{ border-color:rgb(100, 102, 102) }
```

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

Here you see how a box with a 4 pixel rgb(100, 102, 102) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 102, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 102, 102);  
box-shadow:4px 4px 4px 4px rgb(100, 102,  
102) }
```

Background

The CSS property to change the background color of an element to XYZ 12.4052, 13.1714, 14.4589 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 102, 102) }
```

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

```
.background{ background-color: rgb(100,  
102, 102) }
```

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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