

Converting Colors

XYZ(12.4782, 13.2132, 14.2745)

Have a look what the booklet for
XYZ(12.4782, 13.2132, 14.2745)
contains.

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Color

**XYZ(12.4672, 13.2090,
14.2044)**

Conversions

Conversions Part 1

Format	Color
Hex	656665
RGB	101, 102, 101
RGB Percent	40%, 40%, 40%
CMY	0.6039, 0.6000, 0.6039
CMYK	0.01, 0.00, 0.01, 0.60
HSL	120°, 0%, 40%
HSV	120°, 1%, 40%
XYZ	12.4672, 13.2090, 14.2044
YIQ	101.5870, -0.2750, -0.5230

Conversions

Conversions Part 2

Format	Color
R_{YB}	101, 102, 102
Decimal	6645349
CIE Lab	43.08, -0.59, 0.42
CIE LCh	43, 0.728, 144.589
Yxy	13.2090, 0.3126, 0.3312
Android (android.graphics.Color)	4284835429 (0xFF656665)
YUV	101.5870, -0.2894, -0.5148
Hunter-Lab	36.3442, -2.3712, 2.2686

Details

The XYZ color **12.4672, 13.2090, 14.2044** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **12.5318, 13.0917, 14.4374**, and the grayscale version is **12.5228, 13.1749, 14.3475**.

A 20% lighter version of the original color is **30.0076, 31.7249, 34.2477**, and **3.5534, 3.7830, 4.0329** is the 20% darker color. If you saturate the color by 10%, you get **10.9268, 12.4695, 11.6834**, and if you desaturate by 10%, it is **14.2120, 14.0475, 17.0594**.

Distribution



Red (40%)

Green (40%)

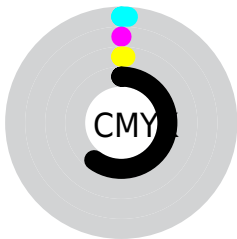
Blue (40%)



Red (40%)

Yellow (40%)

Blue (40%)



Cyan (1%)

Magenta (0%)

Yellow (1%)

Black (60%)



Cyan (60%)

Magenta (60%)

Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.4672, 13.2090, 14.2044 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 12.4672, 13.2090, 14.2044 by changing the saturation by 10% instead.

■ 12.4672, 13.2090,
14.2044

■ 12.4672, 13.2090,
14.2044

201.1816,
212.2528, 229.9712

■ 7.1372, 7.5726,
8.1226

■ 29.9527, 31.6788,
34.1736

■ 3.5951, 3.8227,
4.0846

■ 42.8389, 45.2809,
48.8981

■ 1.4757, 1.5749,
1.6719

■ 58.9746, 62.3071,
67.3405

■ 0.3092, 0.3406,
0.3413

■ 78.7250, 83.1418,
89.9195

■ 0.0000, 0.0000,
0.0000

102.4555,
108.1693, 117.0535

130.5316,

137.7740, 149.1611

163.3185,
172.3404, 186.6608

■ 12.4672, 13.2090,
14.2044

■ 12.4672, 13.2090,
14.2044

■ 10.9268, 12.4695,
11.6834

■ 14.2120, 14.0475,
17.0594

■ 9.5822, 11.8236,
9.4834

■ 16.1671, 14.9866,
20.2590

■ 8.4260, 11.2683,
7.5917

■ 18.3396, 16.0301,
23.8146

■ 7.4498, 10.7993,
5.9945

■ 20.7360, 17.1811,
27.7365

■ 6.6444, 10.4125,
4.6772

■ 23.3622, 18.4426,
32.0350

■ 6.0001, 10.1030,
3.6235

■ 26.2243, 19.8174,
36.7196

■ 5.5060, 9.8656,
2.8157

■ 29.3280, 21.3081,
41.7997

■ 5.1501, 9.6946,
2.2339

■ 32.6787, 22.9176,
47.2843

■ 4.9179, 9.5831,
1.8547

■ 36.2818, 24.6482,
53.1821

Harmonies

Analogous

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



12.5100, 13.2090, 14.1037



12.4672, 13.2090, 14.2044



12.4479, 13.2090, 14.3533

Triad

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



12.4672, 13.2090, 14.2044



12.5446, 13.2090, 14.6916



12.6529, 13.2090, 14.2544

Complementary

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



12.4672, 13.2090, 14.2044



12.5318, 13.0917, 14.4374

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.



12.6623, 13.2090, 14.4115



12.4672, 13.2090, 14.2044



12.5996, 13.2090, 14.6646

Square

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



12.4672, 13.2090, 14.2044



12.4925, 13.2090, 14.6352



12.6427, 13.2090, 14.5618



12.6173, 13.2090, 14.1325

Rectangle

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



12.4672, 13.2090, 14.2044



12.4508, 13.2090, 14.4602



12.6427, 13.2090, 14.5618



12.6593, 13.2090, 14.3048

Sweetspot

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



12.4676, 13.2096, 14.2047



22.1487, 23.3022, 25.3761



12.5787, 13.2644, 14.2094



5.2251, 5.4972, 5.9864



51.1593, 53.8236, 58.6138

Same Dimension

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



12.4676, 13.2096, 14.2047



21.8509, 23.1591, 24.8887



12.4913, 13.2190, 14.3300



3.1099, 3.2928, 3.5450



6.1032, 12.2050, 2.0341



31.8286, 63.6542, 10.6090

Inverse Universe

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



12.5318, 13.0917, 14.4374



21.9689, 22.9427, 25.3162



12.5079, 13.0822, 14.3113



3.1244, 3.2661, 3.5977



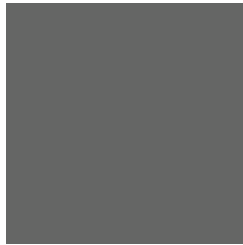
10.1075, 4.8548, 16.5487



52.7128, 25.3187, 86.3101

Previews

White Background



This preview shows how the XYZ color 12.4672, 13.2090, 14.2044 looks on a white background.

Color Contrast Check

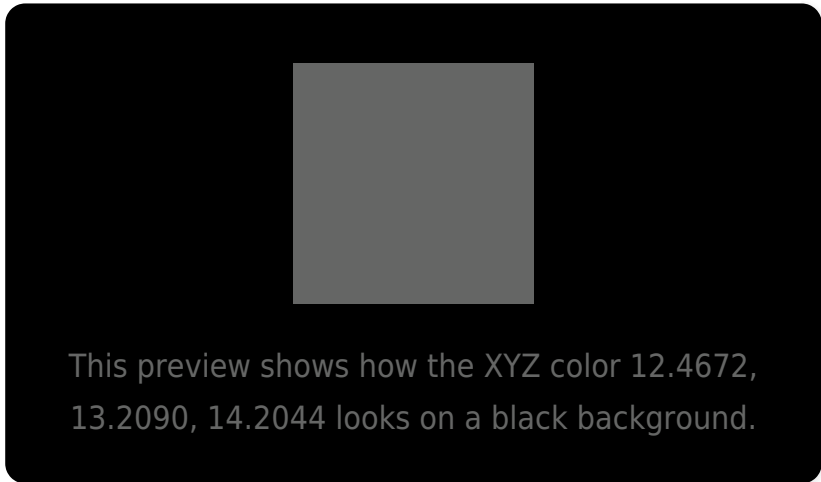
Large Text (above 18pt) WCAG AA ✓ Pass

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

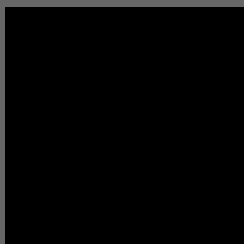
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

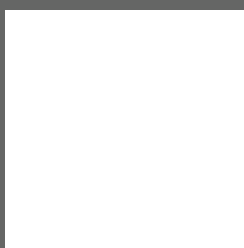
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 12.4672, 13.2090, 14.2044

Background



This preview shows how black text looks on a background with the XYZ color 12.4672, 13.2090, 14.2044.



This preview shows how white text looks on a background with the XYZ color 12.4672, 13.2090,

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

12.4672, 13.2090, 14.2044

Protanopia

12.7116, 13.1900, 14.1879

Deuteranopia

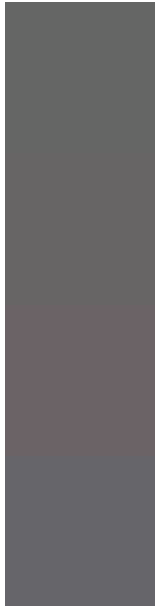
13.3215, 13.0742, 14.3918



Tritanopia

12.8935, 13.2363, 16.3433

Trichromacy



Original Color

12.4672, 13.2090, 14.2044

Protanomaly

12.5962, 13.1305, 14.1825

Deuteranomaly

12.9235, 13.0088, 14.4002

Tritanomaly

12.7347, 13.1727, 15.5071

Monochromacy



Original Color

12.4672, 13.2090, 14.2044

Achromatopsia

12.6291, 13.2868, 14.4694

Achromatomaly

12.6291, 13.2868, 14.4694

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.4672, 13.2090, 14.2044 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, 101)` looks like.

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

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, 101) colored shadow looks like.

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

Border

The CSS property to change the border of an element to XYZ 12.4672, 13.2090, 14.2044 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, 101) }
```

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

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

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, 101)` colored shadow looks like.

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


Background

The CSS property to change the background color of an element to XYZ 12.4672, 13.2090, 14.2044 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, 101) }
```

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

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

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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