

Converting Colors

XYZ(11.8321, 12.9026, 13.6064)

Have a look what the booklet for
XYZ(11.8321, 12.9026, 13.6064)
contains.

XYZ(11.8274, 12.8904, 13.6691)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(11.8274, 12.8904,
13.6691)**

Conversions

Conversions Part 1

Format	Color
Hex	606663
RGB	96, 102, 99
RGB Percent	38%, 40%, 39%
CMY	0.6235, 0.6000, 0.6118
CMYK	0.06, 0.00, 0.03, 0.60
HSL	150°, 3%, 39%
HSV	150°, 6%, 40%
XYZ	11.8274, 12.8904, 13.6691
YIQ	99.8640, -2.6130, -2.2050

Conversions

Conversions Part 2

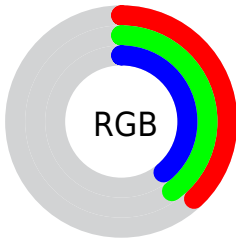
Format	Color
R_{YB}	96, 100, 102
Decimal	6317667
CIE Lab	42.60, -2.95, 0.89
CIE LCh	43, 3.082, 163.278
Yxy	12.8904, 0.3081, 0.3358
Android (android.graphics.Color)	4284507747 (0xFF606663)
YUV	99.8640, -0.4260, -3.3887
Hunter-Lab	35.9032, -4.0283, 2.5593

Details

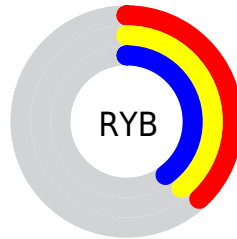
The XYZ color **11.8274, 12.8904, 13.6691** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **11.9150, 12.0918, 13.5110**, and the grayscale version is **12.0803, 12.7094, 13.8406**.

A 20% lighter version of the original color is **28.7503, 31.0955, 33.3409**, and **3.3242, 3.6675, 3.9009** is the 20% darker color. If you saturate the color by 10%, you get **10.5869, 12.2786, 12.3779**, and if you desaturate by 10%, it is **13.2233, 13.5813, 15.0486**.

Distribution



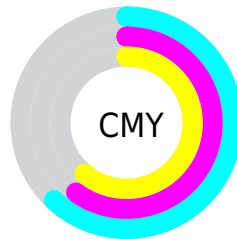
- Red (38%)
- Green (40%)
- Blue (39%)



- Red (38%)
- Yellow (39%)
- Blue (40%)



- Cyan (6%)
- Magenta (0%)
- Yellow (3%)
- Black (60%)



- Cyan (62%)
- Magenta (60%)
- Yellow (61%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 11.8274, 12.8904, 13.6691 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 11.8274, 12.8904, 13.6691 by changing the saturation by 10% instead.

■ 11.8274, 12.8904,
13.6691

■ 11.8274, 12.8904,
13.6691

197.0526,
210.2141, 226.5188

■ 6.6976, 7.3531,
7.7548

■ 28.8000, 31.1067,
33.2094

■ 3.3184, 3.6839,
3.8529

■ 41.3734, 44.5546,
47.6724

■ 1.3243, 1.4984,
1.5450

■ 57.1589, 61.4081,
65.8220

■ 0.2013, 0.2876,
0.2511

■ 76.5216, 82.0516,
88.0769

■ 0.0000, 0.0000,
0.0000

99.8270, 106.8696,
114.8554

127.4404,

136.2464, 146.5763

159.7271,
170.5664, 183.6579

■ 11.8274, 12.8904,
13.6691

■ 11.8274, 12.8904,
13.6691

■ 10.5869, 12.2786,
12.3779

■ 13.2233, 13.5813,
15.0486

■ 9.4951, 11.7413,
11.1724

■ 14.7789, 14.3523,
16.5171

■ 8.5465, 11.2761,
10.0511

■ 16.4995, 15.2066,
18.0767

■ 7.7347, 10.8797,
9.0121

■ 18.3901, 16.1466,
19.7289

■ 7.0528, 10.5487,
8.0535

■ 20.4551, 17.1747,
21.4752

■ 6.4933, 10.2792,
7.1733

■ 22.6990, 18.2930,
23.3173

■ 6.0480, 10.0670,
6.3693

■ 25.1262, 19.5039,
25.2564

■ 5.7074, 9.9072,
5.6393

■ 27.7408, 20.8093,
27.2941

■ 5.4487, 9.7881,
4.9805

■ 30.5467, 22.2114,
29.4319

Harmonies

Analogous

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



11.9470, 12.8904, 13.1209



11.8274, 12.8904, 13.6691



11.8206, 12.8904, 14.3325

Triad

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



11.8274, 12.8904, 13.6691



12.3552, 12.8904, 15.3231



12.5814, 12.8904, 13.1732

Complementary

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



11.8274, 12.8904, 13.6691



11.9150, 12.0918, 13.5110

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.



12.6937, 12.8904, 13.7425



11.8274, 12.8904, 13.6691



12.5620, 12.8904, 14.9915

Square

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



11.8274, 12.8904, 13.6691



12.1233, 12.8904, 15.3019



12.6865, 12.8904, 14.4083



12.3814, 12.8904, 12.8409

Rectangle

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



11.8274, 12.8904, 13.6691



11.8808, 12.8904, 14.7521



12.6865, 12.8904, 14.4083



12.6307, 12.8904, 13.3424

Sweetspot

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



11.8278, 12.8909, 13.6694



21.6461, 23.0536, 24.8790



12.0197, 13.0062, 12.9435



5.1167, 5.4436, 5.8793



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.



11.8278, 12.8909, 13.6694



20.4403, 22.4576, 23.6648



11.9690, 12.9475, 14.4133



2.9060, 3.1915, 3.3641



6.8497, 12.5035, 5.9700



35.2830, 65.0357, 28.8099

Inverse Universe

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



11.9150, 12.0918, 13.5110



20.6260, 20.7565, 23.3278



11.7787, 12.0373, 12.7934



2.9321, 2.9519, 3.3166



7.7858, 3.9273, 4.2703



40.1652, 20.3061, 19.9450

Previews

White Background



This preview shows how the XYZ color 11.8274, 12.8904, 13.6691 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 11.8274, 12.8904, 13.6691 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

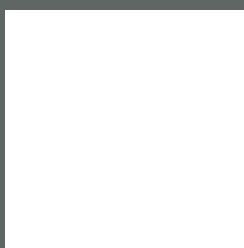
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 11.8274, 12.8904, 13.6691

Background



This preview shows how black text looks on a background with the XYZ color 11.8274, 12.8904, 13.6691.



This preview shows how white text looks on a background with the XYZ color 11.8274, 12.8904,

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

11.8274, 12.8904, 13.6691

Protanopia

12.3553, 12.8797, 13.3901

Deuteranopia

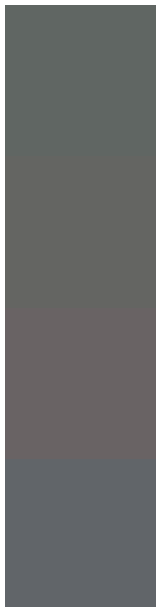
13.0054, 12.7845, 13.8388



Tritanopia

12.4510, 13.0082, 16.3226

Trichromacy



Original Color

11.8274, 12.8904, 13.6691

Protanomaly

12.1138, 12.8985, 13.4065

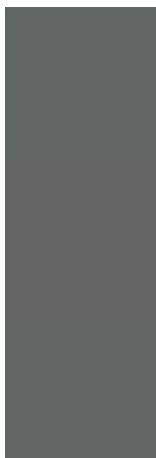
Deuteranomaly

12.5878, 12.8470, 13.8729

Tritanomaly

12.1332, 12.8687, 15.2090

Monochromacy



Original Color

11.8274, 12.8904, 13.6691

Achromatopsia

12.1130, 12.7438, 13.8780

Achromatomaly

12.0995, 12.8801, 13.9050

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.8274, 12.8904, 13.6691 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(96, 102, 99) looks like.

```
.text, #text, p{  
    color:rgb(96, 102, 99)  
}
```

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(96, 102, 99) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(96, 102, 99) }
```

Border

The CSS property to change the border of an element to XYZ 11.8274, 12.8904, 13.6691 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(96, 102, 99) }
```


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

```
.border{ border-color:rgb(96, 102, 99) }
```

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

Here you see how a box with a 4 pixel `rgb(96, 102, 99)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(96, 102, 99); -webkit-box-  
shadow:4px 4px 4px 4px rgb(96, 102, 99);  
box-shadow:4px 4px 4px 4px rgb(96, 102,  
99) }
```

Background

The CSS property to change the background color of an element to XYZ 11.8274, 12.8904, 13.6691 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(96, 102, 99) }
```

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

```
.background{ background-color: rgb(96, 102,  
99) }
```

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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