

Converting Colors

XYZ(11.8930, 12.5430, 13.7825)

Have a look what the booklet for
XYZ(11.8930, 12.5430, 13.7825)
contains.

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Color

**XYZ(11.9077, 12.4964,
13.8410)**

Conversions

Conversions Part 1

Format	Color
Hex	636364
RGB	99, 99, 100
RGB Percent	39%, 39%, 39%
CMY	0.6118, 0.6118, 0.6078
CMYK	0.01, 0.01, 0.00, 0.61
HSL	240°, 1%, 39%
HSV	240°, 1%, 39%
XYZ	11.9077, 12.4964, 13.8410
YIQ	99.1140, -0.3210, 0.3110

Conversions

Conversions Part 2

Format	Color
RYB	99, 99, 100
Decimal	6513508
CIELab	41.99, 0.21, -0.57
CIELCh	42, 0.609, 290.361
Yxy	12.4964, 0.3114, 0.3267
Android (android.graphics.Color)	4284703588 (0xFF636364)
YUV	99.1140, 0.4368, -0.1000
Hunter-Lab	35.3502, -1.7354, 1.5308

Details

The XYZ color **11.9077, 12.4964, 13.8410** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **12.0649, 12.7245, 13.6249**, and the grayscale version is **11.8877, 12.5068, 13.6199**.

A 20% lighter version of the original color is **29.0699, 30.5311, 33.6391**, and **3.3839, 3.5601, 3.8770** is the 20% darker color. If you saturate the color by 10%, you get **9.9936, 10.1909, 13.4971**, and if you desaturate by 10%, it is **14.0749, 15.1070, 14.2309**.

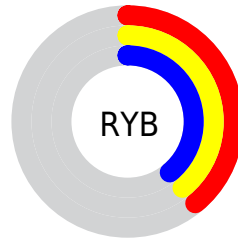
Distribution



Red (39%)

Green (39%)

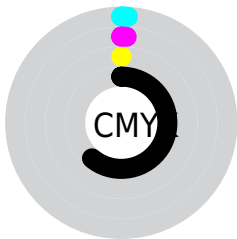
Blue (39%)



Red (39%)

Yellow (39%)

Blue (39%)



Cyan (1%)

Magenta (1%)

Yellow (0%)

Black (61%)



Cyan (61%)

Magenta (61%)

Yellow (61%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 11.9077, 12.4964, 13.8410 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 11.9077, 12.4964, 13.8410 by changing the saturation by 10% instead.

■ 11.9077, 12.4964,
13.8410

■ 11.9077, 12.4964,
13.8410

197.5757,
207.6645, 227.6334

■ 6.7526, 7.0827,
7.8727

■ 28.9452, 30.3960,
33.5197

■ 3.3528, 3.5139,
3.9270

■ 41.5583, 43.6507,
48.0671

■ 1.3430, 1.4055,
1.5854

■ 57.3882, 60.2879,
66.3114

■ 0.2150, 0.2208,
0.2803

■ 76.8001, 80.6919,
88.6710

■ 0.0000, 0.0000,
0.0000

100.1595,
105.2472, 115.5644

127.8316,

134.3381, 147.4103

160.1819,
168.3491, 184.6271

■ 11.9077, 12.4964,
13.8410

■ 11.9077, 12.4964,
13.8410

■ 9.9936, 10.1909,
13.4971

■ 14.0749, 15.1070,
14.2309

■ 8.3224, 8.1777,
13.1966

■ 16.5029, 18.0314,
14.6674

■ 6.8848, 6.4457,
12.9380

■ 19.2002, 21.2803,
15.1523

■ 5.6702, 4.9823,
12.7196

■ 22.1750, 24.8632,
15.6871

■ 4.6675, 3.7742,
12.5392

■ 25.4346, 28.7891,
16.2731

■ 3.8646, 2.8067,
12.3948

■ 28.9866, 33.0670,
16.9116

■ 3.2482, 2.0637,
12.2839

■ 32.8378, 37.7053,
17.6039

■ 2.8032, 1.5272,
12.2038

■ 36.9951, 42.7121,
18.3512

■ 2.5117, 1.1756,
12.1513

■ 41.4651, 48.0955,
19.1547

Harmonies

Analogous

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



11.8629, 12.4964, 13.8532



11.9077, 12.4964, 13.8410



11.9445, 12.4964, 13.7658

Triad

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



11.9077, 12.4964, 13.8410



11.9329, 12.4964, 13.4158



11.7920, 12.4964, 13.5648

Complementary

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



11.9077, 12.4964, 13.8410



12.0649, 12.7245, 13.6249

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.



11.8107, 12.4964, 13.4484



11.9077, 12.4964, 13.8410



11.8920, 12.4964, 13.3627

Square

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



11.9077, 12.4964, 13.8410



11.9591, 12.4964, 13.5201



11.8473, 12.4964, 13.3746



11.7962, 12.4964, 13.6932

Rectangle

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



11.9077, 12.4964, 13.8410



11.9594, 12.4964, 13.6902



11.8473, 12.4964, 13.3746



11.7958, 12.4964, 13.5230

Sweetspot

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



11.9081, 12.4969, 13.8413



21.2355, 22.3414, 24.3298



12.0024, 12.6870, 13.8688



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.



11.9081, 12.4969, 13.8413



20.8654, 21.8955, 24.2632



11.9609, 12.5240, 13.8437



3.0989, 3.2530, 3.5965



3.0814, 1.2346, 16.2202



16.0673, 6.4313, 84.5959

Inverse Universe

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



11.9698, 12.5342, 13.5934



20.9768, 21.9627, 23.8158



12.0117, 12.6972, 13.6224



3.1133, 3.2617, 3.5389



7.0380, 3.6282, 0.3328



36.7052, 18.9221, 1.7249

Previews

White Background



This preview shows how the XYZ color 11.9077, 12.4964, 13.8410 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 11.9077, 12.4964, 13.8410 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

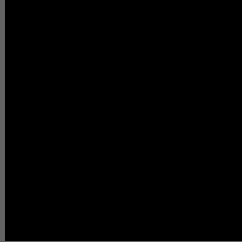
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

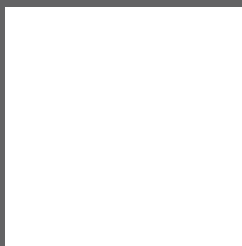
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 11.9077, 12.4964, 13.8410

Background



This preview shows how black text looks on a background with the XYZ color 11.9077, 12.4964, 13.8410.

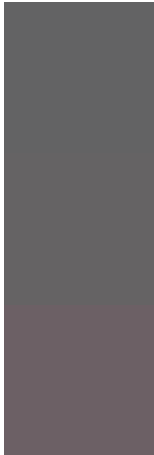


This preview shows how white text looks on a background with the XYZ color 11.9077, 12.4964,

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

11.9077, 12.4964, 13.8410

Protanopia

12.1289, 12.6105, 13.8514

Deuteranopia

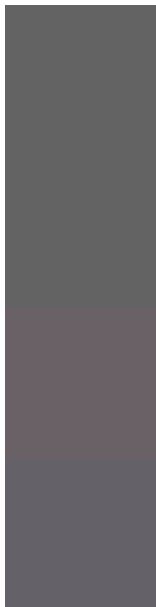
12.7162, 12.4935, 14.0532



Tritanopia

12.2247, 12.4853, 15.4013

Trichromacy



Original Color

11.9077, 12.4964, 13.8410

Protanomaly

12.0176, 12.5531, 13.8462

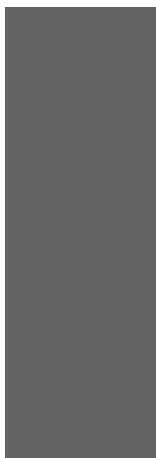
Deuteranomaly

12.4494, 12.4922, 14.0670

Tritanomaly

12.1219, 12.4442, 14.8598

Monochromacy



Original Color

11.9077, 12.4964, 13.8410

Achromatopsia

11.8596, 12.4772, 13.5877

Achromatomaly

11.8596, 12.4772, 13.5877

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.9077, 12.4964, 13.8410 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(99, 99, 100) looks like.

```
.text, #text, p{  
    color:rgb(99, 99, 100)  
}
```

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(99, 99, 100) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 99, 100) }
```

Border

The CSS property to change the border of an element to XYZ 11.9077, 12.4964, 13.8410 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(99, 99, 100) }
```

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

```
.border{ border-color:rgb(99, 99, 100) }
```

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

Here you see how a box with a 4 pixel `rgb(99, 99, 100)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 99, 100); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 99, 100);  
box-shadow:4px 4px 4px 4px rgb(99, 99,  
100) }
```


Background

The CSS property to change the background color of an element to XYZ 11.9077, 12.4964, 13.8410 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 99, 100) }
```

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

```
.background{ background-color: rgb(99, 99,  
100) }
```

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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