

Converting Colors

XYZ(12.1948, 11.5513, 13.4396)

Have a look what the booklet for
XYZ(12.1948, 11.5513, 13.4396)
contains.

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Color

**XYZ(12.1776, 11.5712,
13.3960)**

Conversions

Conversions Part 1

Format	Color
Hex	6C5B63
RGB	108, 91, 99
RGB Percent	42%, 36%, 39%
CMY	0.5765, 0.6431, 0.6118
CMYK	0.00, 0.16, 0.08, 0.58
HSL	332°, 9%, 39%
HSV	332°, 16%, 42%
XYZ	12.1776, 11.5712, 13.3960
YIQ	96.9950, 7.5640, 6.0920

Conversions

Conversions Part 2

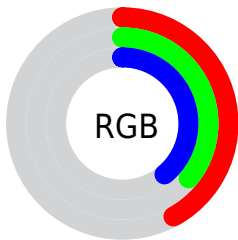
Format	Color
RYB	108, 91, 99
Decimal	7101283
CIELab	40.53, 8.42, -2.01
CIELCh	41, 8.654, 346.549
Yxy	11.5712, 0.3278, 0.3115
Android (android.graphics.Color)	4285291363 (0xFF6C5B63)
YUV	96.9950, 0.9885, 9.6514
Hunter-Lab	34.0165, 4.3726, 0.4626

Details

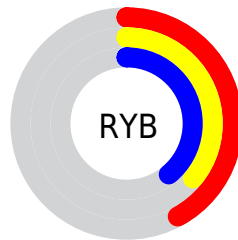
The XYZ color **12.1776, 11.5712, 13.3960** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **11.9777, 13.8698, 14.1032**, and the grayscale version is **11.3577, 11.9492, 13.0127**.

A 20% lighter version of the original color is **29.5271, 28.7253, 32.8425**, and **3.4445, 3.0945, 3.7839** is the 20% darker color. If you saturate the color by 10%, you get **11.0563, 9.7506, 11.7209**, and if you desaturate by 10%, it is **13.4519, 13.6664, 15.2179**.

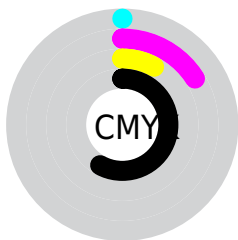
Distribution



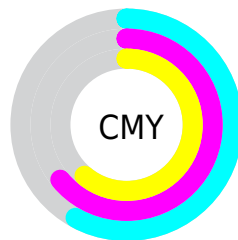
- Red (42%)
- Green (36%)
- Blue (39%)



- Red (42%)
- Yellow (36%)
- Blue (39%)



- Cyan (0%)
- Magenta (16%)
- Yellow (8%)
- Black (58%)



- Cyan (58%)
- Magenta (64%)
- Yellow (61%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.1776, 11.5712, 13.3960 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 12.1776, 11.5712, 13.3960 by changing the saturation by 10% instead.

■ 12.1776, 11.5712,
13.3960

■ 12.1776, 11.5712,
13.3960

199.3235,
201.5455, 224.7365

■ 6.9378, 6.4524,
7.5679

■ 29.4322, 28.7117,
32.7150

■ 3.4692, 3.1221,
3.7359

■ 42.1777, 41.5022,
47.0429

■ 1.4065, 1.1958,
1.4816

■ 58.1559, 57.6187,
65.0411

■ 0.2608, 0.0583,
0.2042

■ 77.7320, 77.4456,
87.1283

■ 0.0000, 0.0000,
0.0000

■ 101.2715,
101.3674, 113.7228

129.1397,

129.7683, 145.2434

161.7019,
163.0329, 182.1084

■ 12.1776, 11.5712,
13.3960

■ 12.1776, 11.5712,
13.3960

■ 11.0563, 9.7506,
11.7209

■ 13.4519, 13.6664,
15.2179

■ 10.0808, 8.1915,
10.1878

■ 14.8837, 16.0454,
17.1897

■ 9.2452, 6.8823,
8.7929

■ 16.4790, 18.7189,
19.3152

■ 8.5423, 5.8095,
7.5317

■ 18.2427, 21.6966,
21.5980

■ 7.9645, 4.9588,
6.3995

■ 20.1799, 24.9878,
24.0415

■ 7.5035, 4.3140,
5.3912

■ 22.2951, 28.6013,
26.6489

■ 7.1497, 3.8568,
4.5013

■ 24.5930, 32.5455,
29.4234

■ 6.8828, 3.5475,
3.7207

■ 27.0779, 36.8287,
32.3681

■ 6.7779, 3.4256,
3.4147

■ 29.7539, 41.4588,
35.4860

Harmonies

Analogous

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



11.8709, 11.5712, 15.0510



12.1776, 11.5712, 13.3960



12.1601, 11.5712, 11.6671

Triad

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



12.1776, 11.5712, 13.3960



10.6677, 11.5712, 9.6481



10.2117, 11.5712, 15.1959

Complementary

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



12.1776, 11.5712, 13.3960



11.9777, 13.8698, 14.1032

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.



9.9126, 11.5712, 13.5794



12.1776, 11.5712, 13.3960



10.1691, 11.5712, 10.4290

Square

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



12.1776, 11.5712, 13.3960



11.2729, 11.5712, 9.6088



9.8973, 11.5712, 11.8344



10.7277, 11.5712, 16.1531

Rectangle

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



12.1776, 11.5712, 13.3960



11.9666, 11.5712, 10.7043



9.8973, 11.5712, 11.8344



10.0833, 11.5712, 14.7052

Sweetspot

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



12.1779, 11.5717, 13.3962



23.7597, 24.2302, 26.9178



11.6799, 11.2625, 15.7459



5.7203, 5.8142, 6.4724



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.



12.1779, 11.5717, 13.3962



20.6049, 19.0523, 22.3777



11.8385, 11.4748, 11.4891



3.1535, 3.1383, 3.5386



8.0707, 4.0804, 4.0007



40.6914, 20.6185, 18.1095

Inverse Universe

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



12.1779, 11.5717, 13.3962



20.6049, 19.0523, 22.3777



12.3543, 13.9727, 16.2335



3.1535, 3.1383, 3.5386



8.0707, 4.0804, 4.0007



40.6914, 20.6185, 18.1095

Previews

White Background



This preview shows how the XYZ color 12.1776, 11.5712, 13.3960 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 12.1776, 11.5712, 13.3960 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 12.1776, 11.5712, 13.3960

Background



This preview shows how black text looks on a background with the XYZ color 12.1776, 11.5712, 13.3960.



This preview shows how white text looks on a background with the XYZ color 12.1776, 11.5712,

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

12.1776, 11.5712, 13.3960

Protanopia

11.2650, 11.6108, 13.9593

Deuteranopia

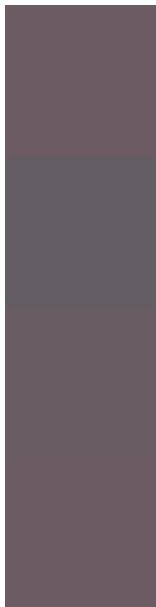
11.7600, 11.6131, 13.4261



Tritanopia

12.1300, 11.5522, 13.1457

Trichromacy



Original Color

12.1776, 11.5712, 13.3960

Protanomaly

11.5585, 11.6348, 13.6931

Deuteranomaly

11.9050, 11.5584, 13.4079

Tritanomaly

12.1300, 11.5522, 13.1457

Monochromacy



Original Color

12.1776, 11.5712, 13.3960

Achromatopsia

11.3621, 11.9538, 13.0177

Achromatomaly

11.6636, 11.8330, 13.2245

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.1776, 11.5712, 13.3960 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, 91, 99)` looks like.

```
.text, #text, p{  
    color:rgb(108, 91, 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(108, 91, 99) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(108, 91, 99) }
```

Border

The CSS property to change the border of an element to XYZ 12.1776, 11.5712, 13.3960 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, 91, 99) }
```


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

```
.border{ border-color:rgb(108, 91, 99) }
```

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

Here you see how a box with a 4 pixel rgb(108, 91, 99) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(108, 91, 99); -webkit-box-  
shadow:4px 4px 4px 4px rgb(108, 91, 99);  
box-shadow:4px 4px 4px 4px rgb(108, 91,  
99) }
```

Background

The CSS property to change the background color of an element to XYZ 12.1776, 11.5712, 13.3960 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(108, 91, 99) }
```

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

```
.background{ background-color: rgb(108, 91,  
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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