

Converting Colors

XYZ(12.3380, 11.5603, 16.9690)

Have a look what the booklet for
XYZ(12.3380, 11.5603, 16.9690)
contains.

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Color

**XYZ(12.3746, 11.5951,
16.9151)**

Conversions

Conversions Part 1

Format	Color
Hex	685B70
RGB	104, 91, 112
RGB Percent	41%, 36%, 44%
CMY	0.5922, 0.6431, 0.5608
CMYK	0.07, 0.19, 0.00, 0.56
HSL	277°, 10%, 40%
HSV	277°, 19%, 44%
XYZ	12.3746, 11.5951, 16.9151
YIQ	97.2810, 1.0070, 9.2870

Conversions

Conversions Part 2

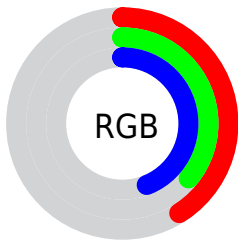
Format	Color
R_{YB}	104, 91, 112
Decimal	6839152
CIE Lab	40.57, 9.60, -9.99
CIE LCh	41, 13.854, 313.865
Yxy	11.5951, 0.3027, 0.2836
Android (android.graphics.Color)	4285029232 (0xFF685B70)
YUV	97.2810, 7.2565, 5.8926
Hunter-Lab	34.0516, 5.2780, -5.6162

Details

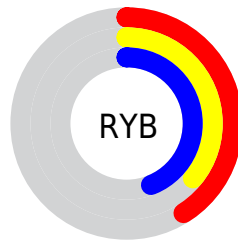
The XYZ color **12.3746, 11.5951, 16.9151** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **12.8286, 14.9967, 12.1167**, and the grayscale version is **11.4142, 12.0087, 13.0774**.

A 20% lighter version of the original color is **29.7433, 28.6987, 39.0937**, and **3.5511, 3.1168, 5.2649** is the 20% darker color. If you saturate the color by 10%, you get **11.0050, 9.5725, 16.5971**, and if you desaturate by 10%, it is **13.9129, 13.9175, 17.2825**.

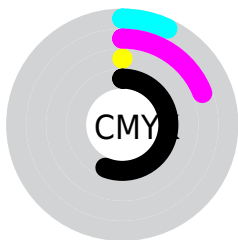
Distribution



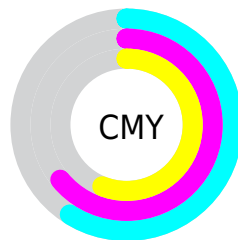
- Red (41%)
- Green (36%)
- Blue (44%)



- Red (41%)
- Yellow (36%)
- Blue (44%)



- Cyan (7%)
- Magenta (19%)
- Yellow (0%)
- Black (56%)



- Cyan (59%)
- Magenta (64%)
- Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.3746, 11.5951, 16.9151 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 12.3746, 11.5951, 16.9151 by changing the saturation by 10% instead.

■ 12.3746, 11.5951,
16.9151

■ 12.3746, 11.5951,
16.9151

200.5894,
201.7060, 246.7100

■ 7.0733, 6.4686,
10.0127

■ 29.7865, 28.7555,
38.9684

■ 3.5548, 3.1321,
5.3016

■ 42.6279, 41.5582,
54.9563

■ 1.4535, 1.2011,
2.3635

■ 58.7134, 57.6884,
74.8098

■ 0.2938, 0.0626,
0.7665

■ 78.4083, 77.5305,
98.9475

■ 0.0000, 0.0000,
0.0000

■ 102.0780,
101.4689, 127.7878

130.0878,

129.8880, 161.7493

162.8032,
163.1723, 201.2505

■ 12.3746, 11.5951,
16.9151

■ 12.3746, 11.5951,
16.9151

■ 11.0050, 9.5725,
16.5971

■ 13.9129, 13.9175,
17.2825

■ 9.7963, 7.8353,
16.3255

■ 15.6252, 16.5502,
17.7004

■ 8.7418, 6.3703,
16.0983

■ 17.5177, 19.5050,
18.1710

■ 7.8337, 5.1627,
15.9130

■ 19.5960, 22.7927,
18.6960

■ 7.0635, 4.1958,
15.7670

■ 21.8655, 26.4236,
19.2772

6.4217, 3.4515,
15.6572

24.3315, 30.4075,
19.9162

5.8976, 2.9087,
15.5800

26.9987, 34.7538,
20.6146

5.4558, 2.4973,
15.5239

29.8721, 39.4716,
21.3738

5.4023, 2.4471,
15.5170

32.9562, 44.5696,
22.1952

Harmonies

Analogous

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



11.4772, 11.5951, 18.6023



12.3746, 11.5951, 16.9151



12.9258, 11.5951, 14.1801

Triad

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



12.3746, 11.5951, 16.9151



11.5512, 11.5951, 8.1298



9.2956, 11.5951, 13.9589

Complementary

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



12.3746, 11.5951, 16.9151



12.8286, 14.9967, 12.1167

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.



9.3128, 11.5951, 11.1881



12.3746, 11.5951, 16.9151



10.5767, 11.5951, 8.0887

Square

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



12.3746, 11.5951, 16.9151



12.4315, 11.5951, 9.2516



9.7695, 11.5951, 9.1297



9.7210, 11.5951, 16.7326

Rectangle

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



12.3746, 11.5951, 16.9151



13.0035, 11.5951, 12.2659



9.7695, 11.5951, 9.1297



9.2506, 11.5951, 12.9913

Sweetspot

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



12.3750, 11.5956, 16.9154



25.1909, 25.5944, 30.5423



11.7061, 12.3277, 17.0919



6.0194, 6.0990, 7.3297



55.7959, 58.7016, 63.9261



6.5000, 6.8385, 7.4471

Same Dimension

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



12.3750, 11.5956, 16.9154



20.7839, 18.9489, 29.4919



13.2136, 12.0435, 16.2522



3.3972, 3.3931, 4.2301



6.2195, 2.8157, 17.9373



30.0001, 13.5200, 89.3076

Inverse Universe

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



12.6758, 11.8283, 13.4201



21.4230, 19.4402, 22.2121



12.1048, 14.6111, 12.6436



3.4322, 3.4206, 3.8027



8.2115, 4.1770, 2.9235



40.5125, 20.6503, 12.4971

Previews

White Background



This preview shows how the XYZ color 12.3746, 11.5951, 16.9151 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 12.3746, 11.5951, 16.9151 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 12.3746, 11.5951, 16.9151

Background



This preview shows how black text looks on a background with the XYZ color 12.3746, 11.5951, 16.9151.



This preview shows how white text looks on a background with the XYZ color 12.3746, 11.5951,

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

12.3746, 11.5951, 16.9151

Protanopia

11.6004, 11.6975, 17.8661

Deuteranopia

11.7687, 11.5399, 16.9364



Tritanopia

11.6941, 11.5736, 13.6742

Trichromacy



Original Color

12.3746, 11.5951, 16.9151

Protanomaly

11.8638, 11.7071, 17.5540

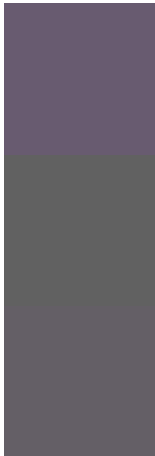
Deuteranomaly

12.0073, 11.5335, 16.9226

Tritanomaly

11.9194, 11.5373, 14.6954

Monochromacy



Original Color

12.3746, 11.5951, 16.9151

Achromatopsia

11.3621, 11.9538, 13.0177

Achromatomaly

11.7460, 11.8531, 14.2392

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.3746, 11.5951, 16.9151 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(104, 91, 112)` looks like.

```
.text, #text, p{  
    color:rgb(104, 91, 112)  
}
```

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(104, 91, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 91, 112) }
```

Border

The CSS property to change the border of an element to XYZ 12.3746, 11.5951, 16.9151 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(104, 91, 112) }
```


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

```
.border{ border-color:rgb(104, 91, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(104, 91, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 91, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 91, 112);  
box-shadow:4px 4px 4px 4px rgb(104, 91,  
112) }
```

Background

The CSS property to change the background color of an element to XYZ 12.3746, 11.5951, 16.9151 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 91, 112) }
```

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

```
.background{ background-color: rgb(104, 91,  
112) }
```

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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