

# Converting Colors

XYZ(11.9775, 10.3578, 16.0203)

Have a look what the booklet for  
XYZ(11.9775, 10.3578, 16.0203)  
contains.

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# Color

**XYZ(12.0161, 10.3485,  
16.1160)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	6C526E
RGB	108, 82, 110
RGB Percent	42%, 32%, 43%
CMY	0.5765, 0.6784, 0.5686
CMYK	0.02, 0.25, 0.00, 0.57
HSL	296°, 15%, 38%
HSV	296°, 25%, 43%
XYZ	12.0161, 10.3485, 16.1160
YIQ	92.9660, 6.5080, 14.2200

# Conversions

## Conversions Part 2

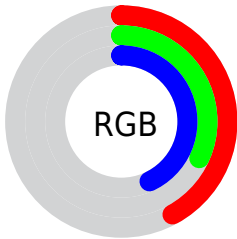
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	108, 82, 110
Decimal	7098990
CIE Lab	38.46, 16.20, -11.90
CIE LCh	38, 20.099, 323.709
Yxy	10.3485, 0.3123, 0.2689
Android (android.graphics.Color)	4285289070 (0xFF6C526E)
YUV	92.9660, 8.3978, 13.1848
Hunter-Lab	32.1691, 10.3791, -7.1846

# Details

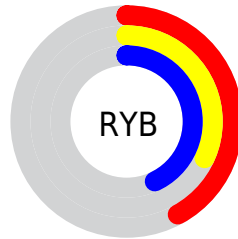
The XYZ color **12.0161, 10.3485, 16.1160** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **10.7554, 13.6461, 10.0502**, and the grayscale version is **10.3768, 10.9172, 11.8888**.

A 20% lighter version of the original color is **29.2701, 26.5847, 37.7711**, and **3.3945, 2.6316, 4.8865** is the 20% darker color. If you saturate the color by 10%, you get **11.1572, 8.7717, 15.8571**, and if you desaturate by 10%, it is **13.0095, 12.1926, 16.4197**.

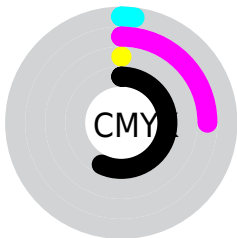
# Distribution



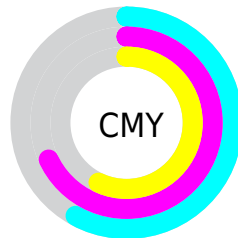
- Red (42%)
- Green (32%)
- Blue (43%)



- Red (42%)
- Yellow (32%)
- Blue (43%)



- Cyan (2%)
- Magenta (25%)
- Yellow (0%)
- Black (57%)



- Cyan (58%)
- Magenta (68%)
- Yellow (57%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 12.0161, 10.3485, 16.1160 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 12.0161, 10.3485, 16.1160 by changing the saturation by 10% instead.



12.0161, 10.3485,  
16.1160

12.0161, 10.3485,  
16.1160

198.2796,  
193.1416, 241.8943

6.8269, 5.6306,  
9.4510

29.1410, 26.4490,  
37.5691

3.3995, 2.6218,  
4.9357

41.8075, 38.6003,  
53.1942

1.3684, 0.9376,  
2.1515

57.6971, 53.9984,  
72.6432

0.2335, 0.0000,  
0.6462

77.1752, 73.0274,  
96.3346

0.0000, 0.0000,  
0.0000

100.6071, 96.0718,  
124.6868

128.3583,

123.5161, 158.1185

160.7940,  
155.7445, 197.0481

■ 12.0161, 10.3485,  
16.1160

■ 12.0161, 10.3485,  
16.1160

■ 11.1572, 8.7717,  
15.8571

■ 13.0095, 12.1926,  
16.4197

■ 10.4255, 7.4483,  
15.6402

■ 14.1424, 14.3146,  
16.7696

■ 9.8145, 6.3650,  
15.4633

■ 15.4206, 16.7259,  
17.1677

■ 9.3167, 5.5068,  
15.3239

■ 16.8493, 19.4370,  
17.6157

■ 8.9238, 4.8572,  
15.2192

■ 18.4336, 22.4580,  
18.1153

8.6263, 4.3970,  
15.1461

20.1783, 25.7983,  
18.6681

8.4053, 4.0885,  
15.0982

22.0877, 29.4670,  
19.2756

8.3103, 3.9590,  
15.0782

24.1665, 33.4730,  
19.9392

26.4187, 37.8244,  
20.6604

# Harmonies

## Analogous

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



10.8872, 10.3485, 19.2760



12.0161, 10.3485, 16.1160



12.5670, 10.3485, 12.0794

# Triad

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



12.0161, 10.3485, 16.1160



10.1154, 10.3485, 5.4974



7.6993, 10.3485, 14.4347

# Complementary

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



12.0161, 10.3485, 16.1160



10.7554, 13.6461, 10.0502

# 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.



7.5323, 10.3485, 10.4933



12.0161, 10.3485, 16.1160



8.8546, 10.3485, 5.8564

# Square

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



12.0161, 10.3485, 16.1160



11.4084, 10.3485, 6.3840



7.9368, 10.3485, 7.5047



8.4150, 10.3485, 18.1639



# Rectangle

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



12.0161, 10.3485, 16.1160



12.5003, 10.3485, 9.6385



7.9368, 10.3485, 7.5047



7.5799, 10.3485, 13.0710

# Sweetspot

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



12.0164, 10.3489, 16.1162



24.2623, 24.0603, 29.2726



9.4908, 9.3126, 16.0493



5.5888, 5.4917, 6.7942



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.



12.0164, 10.3489, 16.1162



20.1148, 16.3564, 28.0042



11.6684, 10.2382, 12.9995



3.4921, 3.4419, 4.2345



9.9731, 4.7508, 18.1130



49.3742, 23.5077, 90.2143



# Inverse Universe

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



11.0483, 9.9901, 9.7339



18.0938, 15.6103, 14.5503



11.0614, 13.7481, 12.5825



3.3933, 3.4050, 3.5977



7.7718, 4.0011, 0.6085



38.5878, 19.8804, 2.3616



# Previews

## White Background



This preview shows how the XYZ color 12.0161, 10.3485, 16.1160 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 12.0161, 10.3485, 16.1160 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 12.0161, 10.3485, 16.1160

## Background



This preview shows how black text looks on a background with the XYZ color 12.0161, 10.3485, 16.1160.



This preview shows how white text looks on a background with the XYZ color 12.0161, 10.3485,



# 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

12.0161, 10.3485, 16.1160

### Protanopia

10.4068, 10.4350, 17.6853

### Deuteranopia

10.6471, 10.4730, 15.9283



## Tritanopia

11.0060, 10.2730, 11.5280

# Trichromacy



## Original Color

12.0161, 10.3485, 16.1160

## Protanomaly

10.9030, 10.3358, 17.0431

## Deuteranomaly

11.0179, 10.3011, 15.8756

## Tritanomaly

11.3663, 10.3057, 13.1945

# Monochromacy



## Original Color

12.0161, 10.3485, 16.1160

## Achromatopsia

10.4043, 10.9462, 11.9204

## Achromatomaly

10.8615, 10.6423, 13.2861

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 12.0161, 10.3485, 16.1160 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, 82, 110)` looks like.

```
.text, #text, p{  
    color:rgb(108, 82, 110)  
}
```

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, 82, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(108, 82, 110) }
```

## Border

The CSS property to change the border of an element to XYZ 12.0161, 10.3485, 16.1160 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, 82, 110) }
```



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

```
.border{ border-color:rgb(108, 82, 110) }
```

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

Here you see how a box with a 4 pixel `rgb(108, 82, 110)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(108, 82, 110); -webkit-box-  
shadow:4px 4px 4px 4px rgb(108, 82, 110);  
box-shadow:4px 4px 4px 4px rgb(108, 82,  
110) }
```

# Background

The CSS property to change the background color of an element to XYZ 12.0161, 10.3485, 16.1160 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(108, 82, 110) }
```

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

```
.background{ background-color: rgb(108, 82,  
110) }
```

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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