

Converting Colors

XYZ(12.0520, 11.5509, 16.9357)

Have a look what the booklet for
XYZ(12.0520, 11.5509, 16.9357)
contains.

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Color

**XYZ(12.0073, 11.5335,
16.9226)**

Conversions

Conversions Part 1

Format	Color
Hex	645C70
RGB	100, 92, 112
RGB Percent	39%, 36%, 44%
CMY	0.6078, 0.6392, 0.5608
CMYK	0.11, 0.18, 0.00, 0.56
HSL	264°, 10%, 40%
HSV	264°, 18%, 44%
XYZ	12.0073, 11.5335, 16.9226
YIQ	96.6720, -1.6520, 7.9160

Conversions

Conversions Part 2

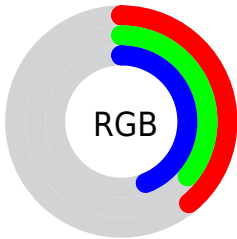
Format	Color
R_{YB}	100, 92, 112
Decimal	6577264
CIE Lab	40.46, 7.50, -10.18
CIE LCh	40, 12.643, 306.389
Yxy	11.5335, 0.2967, 0.2850
Android (android.graphics.Color)	4284767344 (0xFF645C70)
YUV	96.6720, 7.5567, 2.9187
Hunter-Lab	33.9610, 3.6789, -5.7712

Details

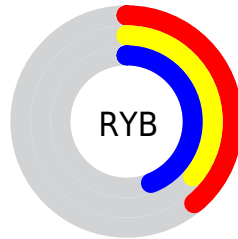
The XYZ color **12.0073, 11.5335, 16.9226** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **13.4354, 15.3045, 12.3718**, and the grayscale version is **11.2646, 11.8512, 12.9060**.

A 20% lighter version of the original color is **29.1363, 28.6056, 39.1078**, and **3.3706, 3.0810, 5.2675** is the 20% darker color. If you saturate the color by 10%, you get **10.3950, 9.3672, 16.5896**, and if you desaturate by 10%, it is **13.8251, 14.0193, 17.3068**.

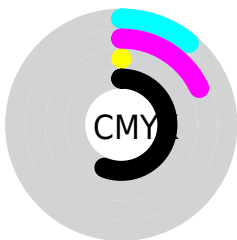
Distribution



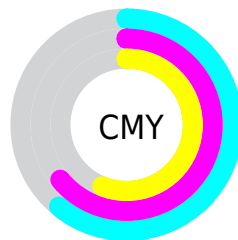
- Red (39%)
- Green (36%)
- Blue (44%)



- Red (39%)
- Yellow (36%)
- Blue (44%)



- Cyan (11%)
- Magenta (18%)
- Yellow (0%)
- Black (56%)



- Cyan (61%)
- Magenta (64%)
- Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.0073, 11.5335, 16.9226 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 12.0073, 11.5335, 16.9226 by changing the saturation by 10% instead.

■ 12.0073, 11.5335,
16.9226

■ 12.0073, 11.5335,
16.9226

198.2225,
201.2920, 246.7548

■ 6.8209, 6.4269,
10.0179

■ 29.1251, 28.6426,
38.9815

■ 3.3957, 3.1063,
5.3051

■ 41.7873, 41.4138,
54.9728

■ 1.3663, 1.1875,
2.3655

■ 57.6720, 57.5087,
74.8301

■ 0.2320, 0.0515,
0.7676

■ 77.1448, 77.3117,
98.9718

■ 0.0000, 0.0000,
0.0000

100.5708,
101.2071, 127.8166

128.3156,

129.5793, 161.7831

160.7444,
162.8128, 201.2896

■ 12.0073, 11.5335,
16.9226

■ 12.0073, 11.5335,
16.9226

■ 10.3950, 9.3672,
16.5896

■ 13.8251, 14.0193,
17.3068

■ 8.9795, 7.5057,
16.3049

■ 15.8546, 16.8357,
17.7434

■ 7.7527, 5.9352,
16.0664

■ 18.1032, 19.9949,
18.2347

■ 6.7059, 4.6402,
15.8717

■ 20.5774, 23.5083,
18.7825

■ 5.8292, 3.6039,
15.7178

■ 23.2836, 27.3865,
19.3884

■ 5.1121, 2.8073,
15.6019

■ 26.2278, 31.6398,
20.0542

■ 4.5423, 2.2290,
15.5203

■ 29.4159, 36.2780,
20.7814

■ 4.0881, 1.8083,
15.4630

■ 32.8535, 41.3106,
21.5716

■ 3.9978, 1.7231,
15.4513

■ 36.5460, 46.7468,
22.4263

Harmonies

Analogous

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



11.1535, 11.5335, 18.0746



12.0073, 11.5335, 16.9226



12.6033, 11.5335, 14.6213

Triad

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



12.0073, 11.5335, 16.9226



11.6608, 11.5335, 8.5873



9.3507, 11.5335, 13.1104

Complementary

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



12.0073, 11.5335, 16.9226



13.4354, 15.3045, 12.3718

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.



9.4702, 11.5335, 10.6986



12.0073, 11.5335, 16.9226



10.7732, 11.5335, 8.2964

Square

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



12.0073, 11.5335, 16.9226



12.3958, 11.5335, 9.8733



9.9797, 11.5335, 9.0169



9.6437, 11.5335, 15.6900

Rectangle

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



12.0073, 11.5335, 16.9226



12.7571, 11.5335, 12.8687



9.9797, 11.5335, 9.0169



9.3442, 11.5335, 12.2524

Sweetspot

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



12.0077, 11.5340, 16.9229



25.2208, 25.9176, 30.6031



12.3227, 13.4135, 17.2690



6.0138, 6.1639, 7.3425



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.



12.0077, 11.5340, 16.9229



20.0063, 18.7917, 29.5025



13.1412, 12.1183, 16.9759



3.3322, 3.3595, 4.2270



4.5968, 1.9792, 17.8613



21.9800, 9.3855, 88.9322

Inverse Universe

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



13.0084, 12.0991, 14.7472



22.0933, 19.9709, 24.9323



12.3767, 14.7587, 12.3222



3.4606, 3.4320, 3.9524



8.8919, 4.4492, 6.5069



43.8603, 21.9894, 30.1263

Previews

White Background



This preview shows how the XYZ color 12.0073, 11.5335, 16.9226 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 12.0073, 11.5335, 16.9226 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 12.0073, 11.5335, 16.9226

Background



This preview shows how black text looks on a background with the XYZ color 12.0073, 11.5335, 16.9226.



This preview shows how white text looks on a background with the XYZ color 12.0073, 11.5335,

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

12.0073, 11.5335, 16.9226

Protanopia

11.4439, 11.6235, 17.5600

Deuteranopia

11.7687, 11.5399, 16.9364



Tritanopia

11.3887, 11.5417, 13.9394

Trichromacy



Original Color

12.0073, 11.5335, 16.9226

Protanomaly

11.5994, 11.5773, 17.2461

Deuteranomaly

11.8760, 11.5952, 16.9414

Tritanomaly

11.6097, 11.5013, 14.9727

Monochromacy



Original Color

12.0073, 11.5335, 16.9226

Achromatopsia

11.3621, 11.9538, 13.0177

Achromatomaly

11.5275, 11.7404, 14.2289

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.0073, 11.5335, 16.9226 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(100, 92, 112)` looks like.

```
.text, #text, p{  
    color:rgb(100, 92, 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(100, 92, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 92, 112) }
```

Border

The CSS property to change the border of an element to XYZ 12.0073, 11.5335, 16.9226 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(100, 92, 112) }
```


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

```
.border{ border-color:rgb(100, 92, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 92, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(100, 92, 112); -webkit-box-shadow:4px 4px 4px 4px rgb(100, 92, 112); box-shadow:4px 4px 4px 4px rgb(100, 92, 112) }
```

Background

The CSS property to change the background color of an element to XYZ 12.0073, 11.5335, 16.9226 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 92, 112) }
```

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

```
.background{ background-color: rgb(100, 92,  
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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