

Converting Colors

XYZ(12.7519, 11.2603, 35.0585)

Have a look what the booklet for
XYZ(12.7519, 11.2603, 35.0585)
contains.

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Color

**XYZ(12.7617, 11.2633,
35.2196)**

Conversions

Conversions Part 1

Format	Color
Hex	485AA1
RGB	72, 90, 161
RGB Percent	28%, 35%, 63%
CMY	0.7176, 0.6471, 0.3686
CMYK	0.55, 0.44, 0.00, 0.37
HSL	228°, 38%, 46%
HSV	228°, 55%, 63%
XYZ	12.7617, 11.2633, 35.2196
YIQ	92.7120, -33.5190, 18.2650

Conversions

Conversions Part 2

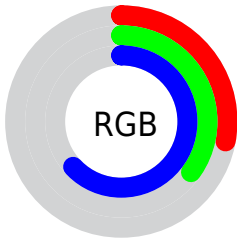
Format	Color
R_{YB}	72, 87, 161
Decimal	4741793
CIE _{Lab}	40.02, 14.56, -40.70
CIE _{LCh}	40, 43.230, 289.688
Yxy	11.2633, 0.2154, 0.1901
Android (android.graphics.Color)	4282931873 (0xFF485AA1)
YUV	92.7120, 33.6660, -18.1644
Hunter-Lab	33.5608, 9.1442, -38.7278

Details

The XYZ color **12.7617, 11.2633, 35.2196** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **25.6909, 27.6910, 10.1225**, and the grayscale version is **10.2677, 10.8024, 11.7639**.

A 20% lighter version of the original color is **30.5251, 28.2261, 68.8051**, and **3.7363, 3.0003, 14.8502** is the 20% darker color. If you saturate the color by 10%, you get **10.7235, 8.7410, 34.8404**, and if you desaturate by 10%, it is **15.3024, 14.3229, 35.6765**.

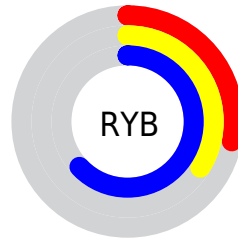
Distribution



Red (28%)

Green (35%)

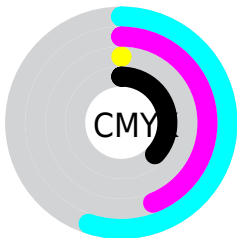
Blue (63%)



Red (28%)

Yellow (34%)

Blue (63%)

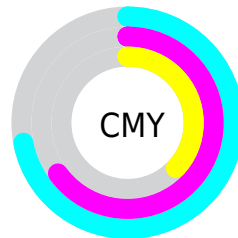


Cyan (55%)

Magenta (44%)

Yellow (0%)

Black (37%)



Cyan (72%)

Magenta (65%)

Yellow (37%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.7617, 11.2633, 35.2196 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 12.7617, 11.2633, 35.2196 by changing the saturation by 10% instead.

■ 12.7617, 11.2633,
35.2196

■ 12.7617, 11.2633,
35.2196

203.0534,
199.4651, 340.4702

■ 7.3405, 6.2442,
23.5472

■ 30.4800, 28.1460,
68.9812

■ 3.7242, 2.9941,
14.7890

■ 43.5078, 40.7785,
91.9076

■ 1.5473, 1.1287,
8.5264

■ 59.8018, 56.7175,
119.4222

■ 0.3577, 0.0023,
4.3410

■ 79.7275, 76.3475,
151.9438

■ 0.0000, 0.0000,
1.8142

■ 103.6501,
100.0529, 189.8909

■ 0.0000, 0.0000,
0.4373

131.9351,

■ 0.0000, 0.0000,

128.2180, 233.6820

0.0000

164.9477,
161.2273, 283.7356

■ 12.7617, 11.2633,
35.2196

■ 12.7617, 11.2633,
35.2196

■ 10.7235, 8.7410,
34.8404

■ 15.3024, 14.3229,
35.6765

■ 9.1516, 6.7226,
34.5337

■ 18.3755, 17.9479,
36.2142

■ 8.0072, 5.1726,
34.2948

■ 22.0101, 22.1662,
36.8369

■ 7.2415, 4.0488,
34.1182

■ 26.2330, 27.0030,
37.5479

■ 6.9647, 3.6366,
34.0533

■ 31.0690, 32.4822,
38.3506

■ 36.5415, 38.6266,
39.2481

■ 42.6728, 45.4575,
40.2435

■ 49.4840, 52.9956,
41.3395

■ 56.9951, 61.2605,
42.5389

Harmonies

Analogous

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



9.7088, 11.2633, 36.6460



12.7617, 11.2633, 35.2196



15.7156, 11.2633, 26.2996

Triad

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



12.7617, 11.2633, 35.2196



14.8727, 11.2633, 3.5052



5.9864, 11.2633, 9.5460

Complementary

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



12.7617, 11.2633, 35.2196



25.6909, 27.6910, 10.1225

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.



6.8923, 11.2633, 4.3975



12.7617, 11.2633, 35.2196



11.7680, 11.2633, 2.1497

Square

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



12.7617, 11.2633, 35.2196



17.0829, 11.2633, 7.5106



8.8828, 11.2633, 2.3754



6.1530, 11.2633, 18.6901

Rectangle

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



12.7617, 11.2633, 35.2196



17.0537, 11.2633, 18.9141



8.8828, 11.2633, 2.3754



6.1679, 11.2633, 7.3897

Sweetspot

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



12.7622, 11.2637, 35.2199



45.3485, 46.4985, 66.9715



20.2791, 28.8123, 29.9728



9.6297, 9.8368, 14.6348



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444

Same Dimension

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



12.7622, 11.2637, 35.2199



18.5885, 14.8756, 62.2781



13.7040, 9.7620, 34.8804



6.8111, 7.0812, 8.9109



5.5869, 2.9533, 27.2054



0.1471, 0.1215, 0.5816

Inverse Universe

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



18.8612, 12.9506, 11.1788



30.8342, 18.9892, 13.8450



24.0332, 31.1741, 10.8822



7.1296, 7.1083, 7.6691



11.9655, 6.1423, 1.7430



0.2664, 0.1351, 0.1157

Previews

White Background



This preview shows how the XYZ color 12.7617, 11.2633, 35.2196 looks on a white background.

Color Contrast Check

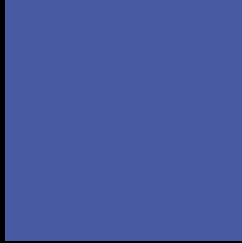
Large Text (above 18pt) WCAG AA ✓ Pass

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 12.7617, 11.2633, 35.2196 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 12.7617, 11.2633, 35.2196

Background



This preview shows how black text looks on a background with the XYZ color 12.7617, 11.2633, 35.2196.



This preview shows how white text looks on a background with the XYZ color 12.7617, 11.2633,

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

12.7617, 11.2633, 35.2196

Protanopia

12.4879, 11.3554, 36.1840

Deuteranopia

11.5641, 11.3033, 34.8300



Tritanopia

8.9364, 11.1900, 16.4407

Trichromacy



Original Color

12.7617, 11.2633, 35.2196

Protanomaly

12.5094, 11.2491, 35.6944

Deuteranomaly

11.8351, 11.1790, 34.7917

Tritanomaly

10.1006, 11.0950, 22.3781

Monochromacy



Original Color

12.7617, 11.2633, 35.2196

Achromatopsia

10.4043, 10.9462, 11.9204

Achromatomaly

10.8435, 10.8936, 18.6707

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.7617, 11.2633, 35.2196 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(72, 90, 161)` looks like.

```
.text, #text, p{  
    color:rgb(72, 90, 161)  
}
```

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(72, 90, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(72, 90, 161) }
```

Border

The CSS property to change the border of an element to XYZ 12.7617, 11.2633, 35.2196 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(72, 90, 161) }
```


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

```
.border{ border-color:rgb(72, 90, 161) }
```

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

Here you see how a box with a 4 pixel `rgb(72, 90, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(72, 90, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(72, 90, 161);  
box-shadow:4px 4px 4px 4px rgb(72, 90,  
161) }
```

Background

The CSS property to change the background color of an element to XYZ 12.7617, 11.2633, 35.2196 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(72, 90, 161) }
```

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

```
.background{ background-color: rgb(72, 90,  
161) }
```

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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