

Converting Colors

XYZ(11.8811, 10.0756, 31.4557)

Have a look what the booklet for
XYZ(11.8811, 10.0756, 31.4557)
contains.

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Color

**XYZ(11.9036, 10.0642,
31.4522)**

Conversions

Conversions Part 1

Format	Color
Hex	4D5399
RGB	77, 83, 153
RGB Percent	30%, 33%, 60%
CMY	0.6980, 0.6745, 0.4000
CMYK	0.50, 0.46, 0.00, 0.40
HSL	235°, 33%, 45%
HSV	235°, 50%, 60%
XYZ	11.9036, 10.0642, 31.4522
YIQ	89.1860, -26.0460, 20.4980

Conversions

Conversions Part 2

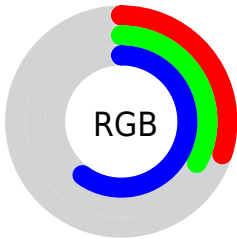
Format	Color
R_{YB}	77, 83, 153
Decimal	5067673
CIE _{Lab}	37.96, 17.58, -39.18
CIE _{LCh}	38, 42.944, 294.172
Yxy	10.0642, 0.2228, 0.1884
Android (android.graphics.Color)	4283257753 (0xFF4D5399)
YUV	89.1860, 31.4603, -10.6871
Hunter-Lab	31.7241, 11.4600, -36.5749

Details

The XYZ color **11.9036, 10.0642, 31.4522** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **24.9108, 28.1766, 11.1475**, and the grayscale version is **9.4737, 9.9670, 10.8541**.

A 20% lighter version of the original color is **28.8424, 25.8024, 63.1347**, and **3.3430, 2.5291, 12.6239** is the 20% darker color. If you saturate the color by 10%, you get **9.8404, 7.5595, 31.0777**, and if you desaturate by 10%, it is **14.4772, 13.1576, 31.9139**.

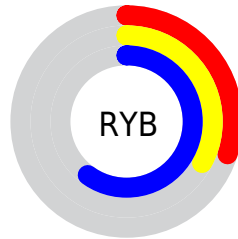
Distribution



Red (30%)

Green (33%)

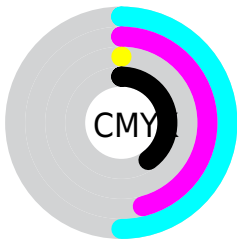
Blue (60%)



Red (30%)

Yellow (33%)

Blue (60%)

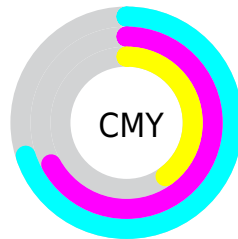


Cyan (50%)

Magenta (46%)

Yellow (0%)

Black (40%)



Cyan (70%)

Magenta (67%)

Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 11.9036, 10.0642, 31.4522 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 11.9036, 10.0642, 31.4522 by changing the saturation by 10% instead.

■ 11.9036, 10.0642,
31.4522

■ 11.9036, 10.0642,
31.4522

197.5490,
191.1297, 323.0317

■ 6.7498, 5.4415,
20.6821

■ 28.9378, 25.9162,
63.0392

■ 3.3511, 2.5086,
12.7028

■ 41.5489, 37.9143,
84.6932

■ 1.3420, 0.8809,
7.0959

■ 57.3765, 53.1397,
110.8122

■ 0.2143, 0.0000,
3.4428

■ 76.7859, 71.9768,
141.8148

■ 0.0000, 0.0000,
1.3249

■ 100.1425, 94.8099,
178.1195

■ 0.0000, 0.0000,
0.0821

127.8117,

■ 0.0000, 0.0000,

122.0235, 220.1449

0.0000

160.1587,
154.0020, 268.3094

■ 11.9036, 10.0642,
31.4522

■ 11.9036, 10.0642,
31.4522

■ 9.8404, 7.5595,
31.0777

■ 14.4772, 13.1576,
31.9139

■ 8.2522, 5.6051,
30.7842

■ 17.5908, 16.8729,
32.4669

■ 7.1014, 4.1597,
30.5658

■ 21.2734, 21.2417,
33.1160

■ 6.3437, 3.1754,
30.4158

■ 25.5513, 26.2936,
33.8657

■ 5.8942, 2.5794,
30.3244

■ 30.4493, 32.0560,
34.7198

■ 5.8822, 2.5647,
30.3222

■ 35.9909, 38.5551,
35.6822

■ 42.1981, 45.8155,
36.7564

■ 49.0921, 53.8609,
37.9460

■ 56.6930, 62.7137,
39.2541

Harmonies

Analogous

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



9.0377, 10.0642, 34.0493



11.9036, 10.0642, 31.4522



14.5371, 10.0642, 22.4578

Triad

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



11.9036, 10.0642, 31.4522



13.0148, 10.0642, 2.6848



5.2033, 10.0642, 9.4883

Complementary

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



11.9036, 10.0642, 31.4522



24.9108, 28.1766, 11.1475

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.



5.8807, 10.0642, 4.2592



11.9036, 10.0642, 31.4522



10.1140, 10.0642, 1.7329

Square

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



11.9036, 10.0642, 31.4522



15.2600, 10.0642, 5.8449



7.5559, 10.0642, 2.1255



5.5001, 10.0642, 18.4206

Rectangle

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



11.9036, 10.0642, 31.4522



15.6228, 10.0642, 15.6404



7.5559, 10.0642, 2.1255



5.3198, 10.0642, 7.3183

Sweetspot

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



11.9040, 10.0645, 31.4525



41.3156, 41.8457, 59.8714



19.6926, 26.4567, 31.5359



8.8046, 8.8638, 13.1643



72.9764, 76.7769, 83.6100



11.9732, 12.5967, 13.7178

Same Dimension

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



11.9040, 10.0645, 31.4525



17.1390, 12.9464, 55.5676



14.6700, 10.8384, 31.4560



5.9217, 6.1008, 7.7944



4.8725, 2.1418, 25.0643



0.0820, 0.0503, 0.3778

Inverse Universe

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



17.3525, 12.7052, 9.7216



28.1655, 18.5224, 11.5371



20.6632, 27.4077, 11.2230



6.2276, 6.2302, 6.5787



10.9182, 5.6215, 0.8283



0.1678, 0.0859, 0.0366

Previews

White Background



This preview shows how the XYZ color 11.9036, 10.0642, 31.4522 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 11.9036, 10.0642, 31.4522 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

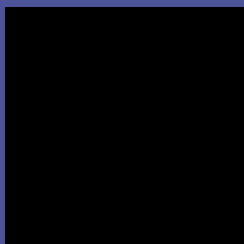
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 11.9036, 10.0642, 31.4522

Background



This preview shows how black text looks on a background with the XYZ color 11.9036, 10.0642, 31.4522.



This preview shows how white text looks on a background with the XYZ color 11.9036, 10.0642,

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

11.9036, 10.0642, 31.4522

Protanopia

11.1813, 10.1206, 33.2624

Deuteranopia

10.2808, 10.0822, 30.6824



Tritanopia

8.4150, 10.1358, 14.0833

Trichromacy



Original Color

11.9036, 10.0642, 31.4522

Protanomaly

11.4429, 10.1459, 32.8077

Deuteranomaly

10.7066, 9.9241, 31.0570

Tritanomaly

9.5070, 10.0559, 19.5291

Monochromacy



Original Color

11.9036, 10.0642, 31.4522

Achromatopsia

9.4954, 9.9899, 10.8790

Achromatomaly

10.0791, 9.9175, 16.7123

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.9036, 10.0642, 31.4522 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(77, 83, 153)` looks like.

```
.text, #text, p{  
    color:rgb(77, 83, 153)  
}
```

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(77, 83, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 83, 153) }
```

Border

The CSS property to change the border of an element to XYZ 11.9036, 10.0642, 31.4522 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(77, 83, 153) }
```


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

```
.border{ border-color:rgb(77, 83, 153) }
```

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

Here you see how a box with a 4 pixel rgb(77, 83, 153) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 83, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 83, 153);  
box-shadow:4px 4px 4px 4px rgb(77, 83,  
153) }
```

Background

The CSS property to change the background color of an element to XYZ 11.9036, 10.0642, 31.4522 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 83, 153) }
```

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

```
.background{ background-color: rgb(77, 83,  
153) }
```

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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