

Converting Colors

XYZ(16.5516, 11.8823, 30.7550)

Have a look what the booklet for
XYZ(16.5516, 11.8823, 30.7550)
contains.

XYZ(16.6225, 11.9682, 30.7122)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(16.6225, 11.9682,
30.7122)**

Conversions

Conversions Part 1

Format	Color
Hex	7C4E97
RGB	124, 78, 151
RGB Percent	49%, 31%, 59%
CMY	0.5137, 0.6941, 0.4078
CMYK	0.18, 0.48, 0.00, 0.41
HSL	278°, 32%, 45%
HSV	278°, 48%, 59%
XYZ	16.6225, 11.9682, 30.7122
YIQ	100.0760, 3.9830, 32.4550

Conversions

Conversions Part 2

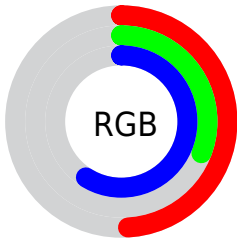
Format	Color
RYB	124, 78, 151
Decimal	8146583
CIELab	41.17, 33.21, -32.60
CIElCh	41, 46.538, 315.528
Yxy	11.9682, 0.2803, 0.2018
Android (android.graphics.Color)	4286336663 (0xFF7C4E97)
YUV	100.0760, 25.1055, 20.9813
Hunter-Lab	34.5951, 25.2256, -28.4188

Details

The XYZ color **16.6225, 11.9682, 30.7122** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **18.2677, 25.6868, 11.2034**, and the grayscale version is **12.0701, 12.6987, 13.8289**.

A 20% lighter version of the original color is **37.2198, 29.3596, 62.0978**, and **5.5379, 3.3165, 12.4049** is the 20% darker color. If you saturate the color by 10%, you get **14.8860, 9.6594, 30.3583**, and if you desaturate by 10%, it is **18.6519, 14.7942, 31.1509**.

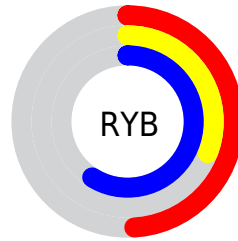
Distribution



Red (49%)

Green (31%)

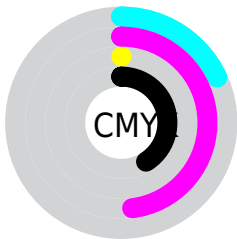
Blue (59%)



Red (49%)

Yellow (31%)

Blue (59%)

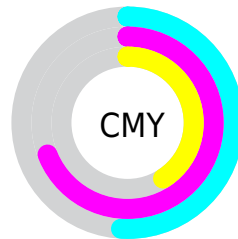


Cyan (18%)

Magenta (48%)

Yellow (0%)

Black (41%)



Cyan (51%)

Magenta (69%)

Yellow (41%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.6225, 11.9682, 30.7122 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 16.6225, 11.9682, 30.7122 by changing the saturation by 10% instead.

16.6225, 11.9682,
30.7122

16.6225, 11.9682,
30.7122

226.1864,
204.1947, 319.5203

10.0593, 6.7220,
20.1232

37.2244, 29.4372,
61.8609

5.5009, 3.2889,
12.2996

51.9938, 42.4288,
83.2577

2.5818, 1.2843,
6.8231

70.2293, 58.7710,
109.0942

0.9367, 0.1290,
3.2749

92.2963, 78.8481,
139.7888

0.0000, 0.0000,
1.2367

118.5602,
103.0447, 175.7602

0.0000, 0.0000,
0.0090

149.3862,

0.0000, 0.0000,

131.7450, 217.4269

0.0000

185.1399,
165.3336, 265.2074

■ 16.6225, 11.9682,
30.7122

■ 16.6225, 11.9682,
30.7122

■ 14.8860, 9.6594,
30.3583

■ 18.6519, 14.7942,
31.1509

■ 13.4233, 7.8317,
30.0826

■ 20.9892, 18.1674,
31.6788

■ 12.2148, 6.4468,
29.8790

■ 23.6496, 22.1168,
32.3009

■ 11.2372, 5.4593,
29.7399

■ 26.6471, 26.6693,
33.0216

■ 10.4452, 4.7797,
29.6505

■ 29.9946, 31.8499,
33.8452

■ 10.3211, 4.6754,
29.6369

■ 33.7046, 37.6822,
34.7754

■ 37.7886, 44.1885,
35.8160

■ 42.2577, 51.3902,
36.9705

■ 47.1226, 59.3074,
38.2423

Harmonies

Analogous

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



13.1896, 11.9682, 40.1347



16.6225, 11.9682, 30.7122



18.8271, 11.9682, 18.2101

Triad

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



16.6225, 11.9682, 30.7122



13.0634, 11.9682, 2.0842



6.2268, 11.9682, 18.6240

Complementary

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



16.6225, 11.9682, 30.7122



18.2677, 25.6868, 11.2034

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.



6.2063, 11.9682, 8.9412



16.6225, 11.9682, 30.7122



9.7357, 11.9682, 2.1102

Square

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



16.6225, 11.9682, 30.7122



16.5146, 11.9682, 3.7989



7.3681, 11.9682, 3.9056



7.4312, 11.9682, 31.1402

Rectangle

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



16.6225, 11.9682, 30.7122



19.0724, 11.9682, 11.3328



7.3681, 11.9682, 3.9056



6.0905, 11.9682, 14.8916

Sweetspot

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



16.6229, 11.9687, 30.7125



43.9216, 41.9726, 58.2203



13.8805, 14.1591, 31.2798



9.7540, 9.1945, 13.1781



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.



16.6229, 11.9687, 30.7125



26.4266, 16.9993, 54.3220



20.4061, 13.9960, 27.4081



6.2396, 6.2094, 7.7986



8.8125, 3.9940, 25.2142



0.1716, 0.0803, 0.3788

Inverse Universe

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



18.0370, 13.0484, 14.9328



29.5841, 19.3582, 21.4413



15.9095, 24.4335, 12.7917



6.2985, 6.2586, 6.9523



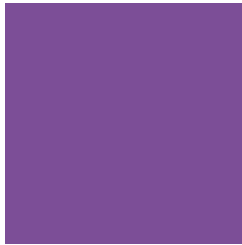
11.4744, 5.8440, 3.7570



0.1882, 0.0940, 0.1436

Previews

White Background



This preview shows how the XYZ color 16.6225, 11.9682, 30.7122 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 16.6225, 11.9682, 30.7122 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

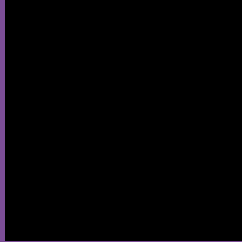
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 16.6225, 11.9682, 30.7122

Background



This preview shows how black text looks on a background with the XYZ color 16.6225, 11.9682, 30.7122.



This preview shows how white text looks on a background with the XYZ color 16.6225, 11.9682,

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

16.6225, 11.9682, 30.7122

Protanopia

13.2899, 12.1309, 37.7174

Deuteranopia

12.3652, 12.1118, 29.2899



Tritanopia

13.1481, 12.0770, 13.1934

Trichromacy



Original Color

16.6225, 11.9682, 30.7122

Protanomaly

14.0299, 11.7927, 35.2550

Deuteranomaly

13.4151, 11.7258, 29.5732

Tritanomaly

14.1464, 11.8619, 18.3736

Monochromacy



Original Color

16.6225, 11.9682, 30.7122

Achromatopsia

12.1130, 12.7438, 13.8780

Achromatomaly

13.4636, 12.2374, 19.1052

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.6225, 11.9682, 30.7122 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(124, 78, 151)` looks like.

```
.text, #text, p{  
    color:rgb(124, 78, 151)  
}
```

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(124, 78, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(124, 78, 151) }
```

Border

The CSS property to change the border of an element to XYZ 16.6225, 11.9682, 30.7122 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(124, 78, 151) }
```


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

```
.border{ border-color:rgb(124, 78, 151) }
```

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

Here you see how a box with a 4 pixel rgb(124, 78, 151) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(124, 78, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(124, 78, 151);  
box-shadow:4px 4px 4px 4px rgb(124, 78,  
151) }
```

Background

The CSS property to change the background color of an element to XYZ 16.6225, 11.9682, 30.7122 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(124, 78, 151) }
```

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

```
.background{ background-color: rgb(124, 78,  
151) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor