

Converting Colors

XYZ(16.3912, 11.0634, 33.6197)

Have a look what the booklet for
XYZ(16.3912, 11.0634, 33.6197)
contains.

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Color

**XYZ(16.4508, 11.1127,
33.6257)**

Conversions

Conversions Part 1

Format	Color
Hex	7A479E
RGB	122, 71, 158
RGB Percent	48%, 28%, 62%
CMY	0.5216, 0.7216, 0.3804
CMYK	0.23, 0.55, 0.00, 0.38
HSL	275°, 38%, 45%
HSV	275°, 55%, 62%
XYZ	16.4508, 11.1127, 33.6257
YIQ	96.1670, 2.4690, 37.8690

Conversions

Conversions Part 2

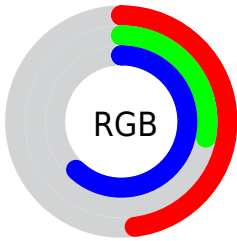
Format	Color
R_{YB}	122, 71, 158
Decimal	8013726
CIE Lab	39.77, 38.26, -39.03
CIE LCh	40, 54.656, 314.427
Yxy	11.1127, 0.2689, 0.1816
Android (android.graphics.Color)	4286203806 (0xFF7A479E)
YUV	96.1670, 30.4837, 22.6555
Hunter-Lab	33.3357, 29.7502, -36.4708

Details

The XYZ color **16.4508, 11.1127, 33.6257** is a dark color, and the websafe version is hex **663399**. A complement of this color would be **19.4280, 28.0348, 10.3490**, and the grayscale version is **11.0871, 11.6645, 12.7026**.

A 20% lighter version of the original color is **36.9791, 27.8260, 66.3727**, and **5.4142, 2.9165, 13.9133** is the 20% darker color. If you saturate the color by 10%, you get **14.6788, 8.8966, 33.2915**, and if you desaturate by 10%, it is **18.5473, 13.8843, 34.0504**.

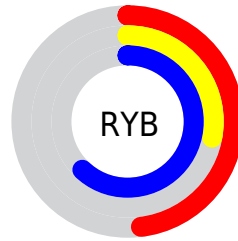
Distribution



Red (48%)

Green (28%)

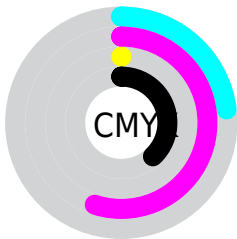
Blue (62%)



Red (48%)

Yellow (28%)

Blue (62%)

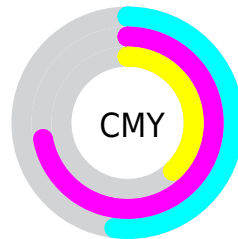


Cyan (23%)

Magenta (55%)

Yellow (0%)

Black (38%)



Cyan (52%)

Magenta (72%)

Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.4508, 11.1127, 33.6257 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 16.4508, 11.1127, 33.6257 by changing the saturation by 10% instead.

■ 16.4508, 11.1127,
33.6257

■ 16.4508, 11.1127,
33.6257

225.2058,
198.4391, 333.1779

■ 9.9366, 6.1427,
22.3312

■ 36.9302, 27.8684,
66.4784

■ 5.4189, 2.9320,
13.8998

■ 51.6261, 40.4228,
88.8737

■ 2.5323, 1.0964,
7.9131

■ 69.7800, 56.2742,
115.8062

■ 0.9116, 0.0000,
3.9524

■ 91.7571, 75.8070,
147.6947

■ 0.0000, 0.0000,
1.5993

■ 117.9229, 99.4054,
184.9575

■ 0.0000, 0.0000,
0.2903

148.6427,

■ 0.0000, 0.0000,

127.4540, 228.0133

0.0000

184.2819,
160.3371, 277.2806

■ 16.4508, 11.1127,
33.6257

■ 16.4508, 11.1127,
33.6257

■ 14.6788, 8.8966,
33.2915

■ 18.5473, 13.8843,
34.0504

■ 13.2079, 7.1927,
33.0402

■ 20.9865, 17.2476,
34.5710

■ 12.0136, 5.9531,
32.8639

■ 23.7870, 21.2374,
35.1935

■ 11.0643, 5.1167,
32.7524

■ 26.9653, 25.8852,
35.9231

■ 10.6475, 4.7761,
32.7087

■ 30.5368, 31.2203,
36.7646

■ 34.5162, 37.2704,
37.7227

■ 38.9173, 44.0615,
38.8015

■ 43.7531, 51.6182,
40.0053

■ 49.0363, 59.9642,
41.3377

Harmonies

Analogous

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



12.4609, 11.1127, 45.1015



16.4508, 11.1127, 33.6257



19.1334, 11.1127, 18.5273

Triad

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



16.4508, 11.1127, 33.6257



12.6169, 11.1127, 1.1207



5.0085, 11.1127, 18.0032

Complementary

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



16.4508, 11.1127, 33.6257



19.4280, 28.0348, 10.3490

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.



5.0312, 11.1127, 7.3629



16.4508, 11.1127, 33.6257



8.8670, 11.1127, 1.0990

Square

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



16.4508, 11.1127, 33.6257



16.5880, 11.1127, 2.6411



6.2791, 11.1127, 2.5368



6.2074, 11.1127, 33.0526

Rectangle

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



16.4508, 11.1127, 33.6257



19.4968, 11.1127, 10.5759



6.2791, 11.1127, 2.5368



4.8845, 11.1127, 13.7636

Sweetspot

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



16.4512, 11.1131, 33.6260



47.5964, 44.9831, 64.9175



14.0543, 14.3763, 34.3821



10.4823, 9.7768, 14.5783



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.



16.4512, 11.1131, 33.6260



26.0154, 15.3891, 60.3427



21.9197, 14.0022, 30.7195



6.6385, 6.6176, 8.3341



8.5731, 3.8486, 26.1982



0.2006, 0.0932, 0.4706

Inverse Universe

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



19.0080, 12.8376, 15.3865



31.6181, 19.1323, 21.9812



16.2099, 26.3473, 11.4865



6.7412, 6.6894, 7.4882



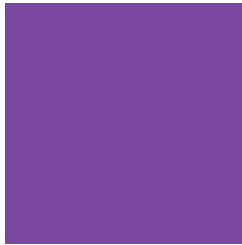
12.0848, 6.1385, 4.6978



0.2366, 0.1180, 0.1921

Previews

White Background



This preview shows how the XYZ color 16.4508, 11.1127, 33.6257 looks on a white background.

Color Contrast Check

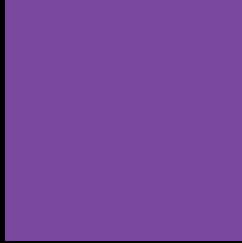
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.4508, 11.1127, 33.6257 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

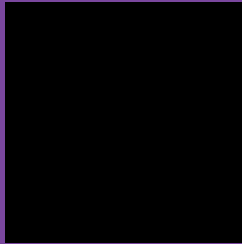
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 16.4508, 11.1127, 33.6257

Background



This preview shows how black text looks on a background with the XYZ color 16.4508, 11.1127, 33.6257.



This preview shows how white text looks on a background with the XYZ color 16.4508, 11.1127,

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

16.4508, 11.1127, 33.6257

Protanopia

12.9493, 11.3009, 43.6183

Deuteranopia

11.4398, 11.1752, 31.6911



Tritanopia

12.0656, 11.1671, 12.1092

Trichromacy



Original Color

16.4508, 11.1127, 33.6257

Protanomaly

13.3450, 10.7368, 39.8971

Deuteranomaly

12.6375, 10.7715, 32.4234

Tritanomaly

13.2984, 10.9638, 18.2449

Monochromacy



Original Color

16.4508, 11.1127, 33.6257

Achromatopsia

11.1181, 11.6971, 12.7381

Achromatomaly

12.5637, 11.1516, 18.9431

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.4508, 11.1127, 33.6257 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(122, 71, 158)` looks like.

```
.text, #text, p{  
    color:rgb(122, 71, 158)  
}
```

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(122, 71, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 71, 158) }
```

Border

The CSS property to change the border of an element to XYZ 16.4508, 11.1127, 33.6257 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(122, 71, 158) }
```


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

```
.border{ border-color:rgb(122, 71, 158) }
```

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

Here you see how a box with a 4 pixel `rgb(122, 71, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 71, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 71, 158);  
box-shadow:4px 4px 4px 4px rgb(122, 71,  
158) }
```

Background

The CSS property to change the background color of an element to XYZ 16.4508, 11.1127, 33.6257 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 71, 158) }
```

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

```
.background{ background-color: rgb(122, 71,  
158) }
```

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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