

Converting Colors

XYZ(18.3539, 11.6136, 27.8564)

Have a look what the booklet for
XYZ(18.3539, 11.6136, 27.8564)
contains.

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Color

**XYZ(18.3690, 11.6097,
27.6583)**

Conversions

Conversions Part 1

Format	Color
Hex	904090
RGB	144, 64, 144
RGB Percent	56%, 25%, 56%
CMY	0.4353, 0.7490, 0.4353
CMYK	0.00, 0.56, 0.00, 0.44
HSL	300°, 38%, 41%
HSV	300°, 56%, 56%
XYZ	18.3690, 11.6097, 27.6583
YIQ	97.0400, 22.0000, 41.8400

Conversions

Conversions Part 2

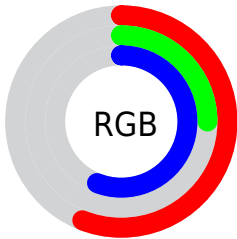
Format	Color
RYB	144, 64, 144
Decimal	9453712
CIELab	40.59, 45.16, -29.10
CIElCh	41, 53.724, 327.208
Yxy	11.6097, 0.3187, 0.2014
Android (android.graphics.Color)	4287643792 (0xFF904090)
YUV	97.0400, 23.1513, 41.1839
Hunter-Lab	34.0730, 36.6028, -24.2767

Details

The XYZ color **18.3690, 11.6097, 27.6583** is a dark color, and the websafe version is hex **993399**. A complement of this color would be **13.0135, 21.4071, 8.2972**, and the grayscale version is **11.3137, 11.9029, 12.9623**.

A 20% lighter version of the original color is **40.2579, 28.8474, 56.8724**, and **6.3553, 3.1447, 10.6280** is the 20% darker color. If you saturate the color by 10%, you get **17.6595, 10.1905, 27.4219**, and if you desaturate by 10%, it is **19.2890, 13.4494, 27.9651**.

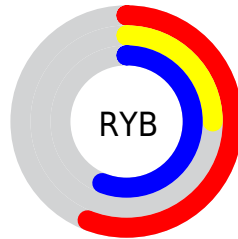
Distribution



Red (56%)

Green (25%)

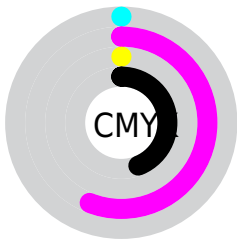
Blue (56%)



Red (56%)

Yellow (25%)

Blue (56%)

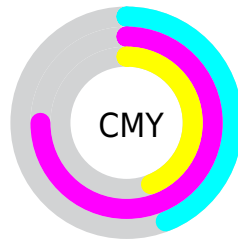


Cyan (0%)

Magenta (56%)

Yellow (0%)

Black (44%)



Cyan (44%)

Magenta (75%)

Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.3690, 11.6097, 27.6583 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 18.3690, 11.6097, 27.6583 by changing the saturation by 10% instead.

18.3690, 11.6097,
27.6583

18.3690, 11.6097,
27.6583

235.9483,
201.8040, 304.6909

11.3165, 6.4785,
17.8314

40.1903, 28.7822,
56.9550

6.3490, 3.1382,
10.6609

55.6898, 41.5924,
77.2618

3.1011, 1.2043,
5.7280

74.7357, 57.7309,
101.8991

1.2075, 0.0652,
2.6143

97.6933, 77.5823,
131.2854

0.1122, 0.0000,
0.8998

124.9280,
101.5309, 165.8392

0.0000, 0.0000,
0.0000

156.8052,

129.9611, 205.9790

193.6902,
163.2574, 252.1234

■ 18.3690, 11.6097,
27.6583

■ 18.3690, 11.6097,
27.6583

■ 17.6595, 10.1905,
27.4219

■ 19.2890, 13.4494,
27.9651

■ 17.1428, 9.1571,
27.2496

■ 20.4330, 15.7373,
28.3464

■ 16.8004, 8.4721,
27.1355

■ 21.8148, 18.5010,
28.8071

■ 16.6053, 8.0820,
27.0704

■ 23.4468, 21.7651,
29.3511

■ 16.5358, 7.9430,
27.0472

■ 25.3406, 25.5525,
29.9824

■ 27.5068, 29.8850,
30.7045

■ 29.9557, 34.7828,
31.5208

■ 32.6969, 40.2652,
32.4345

■ 35.7397, 46.3508,
33.4488

Harmonies

Analogous

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



14.7154, 11.6097, 41.7914



18.3690, 11.6097, 27.6583



20.0370, 11.6097, 13.6857

Triad

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



18.3690, 11.6097, 27.6583



11.3937, 11.6097, 1.1520



5.7374, 11.6097, 24.7941

Complementary

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



18.3690, 11.6097, 27.6583



13.0135, 21.4071, 8.2972

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.



5.2367, 11.6097, 11.6509



18.3690, 11.6097, 27.6583



8.0254, 11.6097, 1.6797

Square

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



18.3690, 11.6097, 27.6583



15.4734, 11.6097, 1.9587



5.9701, 11.6097, 4.3690



7.5381, 11.6097, 39.5745

Rectangle

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



18.3690, 11.6097, 27.6583



19.5678, 11.6097, 7.4150



5.9701, 11.6097, 4.3690



5.4324, 11.6097, 19.8797

Sweetspot

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



18.3694, 11.6102, 27.6585



40.8041, 37.2875, 51.5846



8.9823, 6.7710, 27.2193



9.2370, 8.3102, 11.7894



69.3244, 72.9347, 79.4259



10.7221, 11.2805, 12.2844

Same Dimension

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



18.3694, 11.6102, 27.6585



30.8568, 17.3930, 48.2686



15.8341, 10.5961, 14.3080



5.6263, 5.5110, 6.7960



14.3995, 6.9168, 23.5530



0.1377, 0.0661, 0.2252

Inverse Universe

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



18.3694, 11.6102, 27.6585



30.8568, 17.3930, 48.2686



14.5868, 22.0364, 16.5820



5.6263, 5.5110, 6.7960



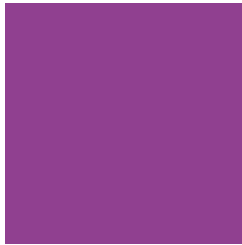
14.3995, 6.9168, 23.5530



0.1377, 0.0661, 0.2252

Previews

White Background



This preview shows how the XYZ color 18.3690, 11.6097, 27.6583 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



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

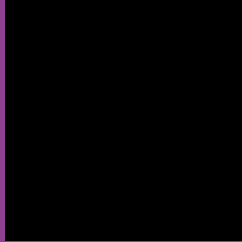
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 18.3690, 11.6097, 27.6583

Background



This preview shows how black text looks on a background with the XYZ color 18.3690, 11.6097, 27.6583.



This preview shows how white text looks on a background with the XYZ color 18.3690, 11.6097,

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

18.3690, 11.6097, 27.6583

Protanopia

13.1829, 11.8998, 39.6323

Deuteranopia

12.0607, 11.7540, 26.0592



Tritanopia

14.7522, 11.5662, 10.0493

Trichromacy



Original Color

18.3690, 11.6097, 27.6583

Protanomaly

13.8407, 10.9839, 35.1088

Deuteranomaly

13.5716, 11.1473, 26.6356

Tritanomaly

15.8655, 11.5136, 15.0218

Monochromacy



Original Color

18.3690, 11.6097, 27.6583

Achromatopsia

11.3621, 11.9538, 13.0177

Achromatomaly

13.2252, 11.2893, 17.4016

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.3690, 11.6097, 27.6583 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(144, 64, 144)` looks like.

```
.text, #text, p{  
    color:rgb(144, 64, 144)  
}
```

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(144, 64, 144) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 64, 144) }
```

Border

The CSS property to change the border of an element to XYZ 18.3690, 11.6097, 27.6583 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(144, 64, 144) }
```


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

```
.border{ border-color:rgb(144, 64, 144) }
```

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

Here you see how a box with a 4 pixel `rgb(144, 64, 144)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(144, 64, 144); -webkit-box-  
shadow:4px 4px 4px 4px rgb(144, 64, 144);  
box-shadow:4px 4px 4px 4px rgb(144, 64,  
144) }
```

Background

The CSS property to change the background color of an element to XYZ 18.3690, 11.6097, 27.6583 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 64, 144) }
```

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

```
.background{ background-color: rgb(144, 64,  
144) }
```

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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