

Converting Colors

XYZ(17.3271, 6.6386, 61.7272)

Have a look what the booklet for
XYZ(17.3271, 6.6386, 61.7272)
contains.

XYZ(18.0645, 7.9544, 62.2113)	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(18.0645, 7.9544,
62.2113)**

Conversions

Conversions Part 1

Format	Color
Hex	6D00D3
RGB	109, 0, 211
RGB Percent	43%, 0%, 83%
CMY	0.5725, 1.0000, 0.1725
CMYK	0.48, 1.00, 0.00, 0.17
HSL	271°, 100%, 41%
HSV	271°, 100%, 83%
XYZ	18.0645, 7.9544, 62.2113
YIQ	56.6450, -2.7670, 88.7290

Conversions

Conversions Part 2

Format	Color
RYB	109, 0, 211
Decimal	7143635
CIELab	33.89, 72.44, -79.95
CIELCh	34, 107.884, 312.181
Yxy	7.9544, 0.2047, 0.0902
Android (android.graphics.Color)	4285333715 (0xFF6D00D3)
YUV	56.6450, 76.0970, 45.9153
Hunter-Lab	28.2035, 64.9739, -111.0392

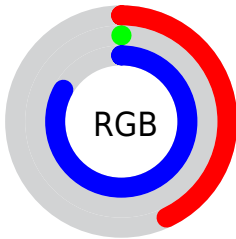
Details

The XYZ color **18.0645, 7.9544, 62.2113** is a dark color, and the websafe version is hex **6600CC**.

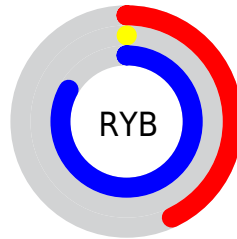
The color can be described as dark washed purple. A complement of this color would be **28.7735, 49.4133, 8.0212**, and the grayscale version is **3.7474, 3.9426, 4.2935**.

A 20% lighter version of the original color is **37.1436, 20.7982, 96.6645**, and **6.7531, 2.7979, 31.1945** is the 20% darker color. If you saturate the color by 10%, you get **18.0651, 7.9546, 62.2115**, and if you desaturate by 10%, it is **19.6636, 9.1795, 62.3637**.

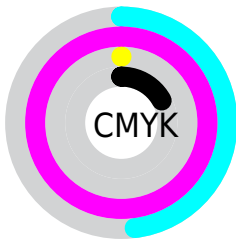
Distribution



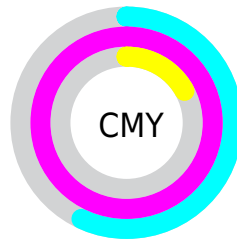
- Red (43%)
- Green (0%)
- Blue (83%)



- Red (43%)
- Yellow (0%)
- Blue (83%)



- Cyan (48%)
- Magenta (100%)
- Yellow (0%)
- Black (17%)



- Cyan (57%)
- Magenta (100%)
- Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.0645, 7.9544, 62.2113 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 18.0645, 7.9544, 62.2113 by changing the saturation by 10% instead.

■ 18.0645, 7.9544,
62.2113

■ 18.0645, 7.9544,
62.2113

234.2729,
175.3739, 450.7303

■ 11.0963, 4.0658,
44.7666

■ 39.6764, 21.8690,
109.6054

■ 6.1994, 1.7104,
30.9320

■ 55.0508, 32.6638,
140.3919

■ 3.0085, 0.4304,
20.2890

■ 73.9580, 46.5294,
176.4627

■ 1.1583, 0.0000,
12.4192

■ 96.7633, 63.8502,
218.2363

■ 0.0730, 0.0000,
6.9038

■ 123.8321, 85.0107,
266.1314


■ 0.0000, 0.0000,
3.3245


■ 155.5297,

■ 0.0000, 0.0000,


110.3952, 320.5664

1.2626


 192.2215,
140.3882, 381.9598

 0.0000, 0.0000,
0.0309

 0.0000, 0.0000,
0.0000


 18.0645, 7.9544,
62.2113

 18.0645, 7.9544,
62.2113

 18.0651, 7.9546,
62.2115

 19.6636, 9.1795,
62.3637

 21.7076, 11.0721,
62.6213

 24.3005, 13.8325,
63.0174

 27.5007, 17.5714,
63.5705

■ 31.3582, 22.3823,
64.2957

■ 35.9170, 28.3474,
65.2068

■ 41.2169, 35.5406,
66.3159

■ 47.2944, 44.0296,
67.6341

■ 54.1837, 53.8768,
69.1718

Harmonies

Analogous

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



10.2246, 7.9544, 95.5349



18.0645, 7.9544, 62.2113



24.3922, 7.9544, 22.9515

Triad

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



18.0645, 7.9544, 62.2113



11.6047, 7.9544, 0.0000



1.0005, 7.9544, 17.5176

Complementary

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



18.0645, 7.9544, 62.2113



28.7735, 49.4133, 8.0212

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.



1.0776, 7.9544, 2.0262



18.0645, 7.9544, 62.2113



5.4046, 7.9544, 0.0000

Square

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



18.0645, 7.9544, 62.2113



19.5164, 7.9544, 0.0000



2.2045, 7.9544, 0.0000



1.8745, 7.9544, 54.1481

Rectangle

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



18.0645, 7.9544, 62.2113



25.5851, 7.9544, 7.4791



2.2045, 7.9544, 0.0000



0.9374, 7.9544, 9.9612

Sweetspot

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



18.0651, 7.9546, 62.2115



62.9896, 54.1687, 101.7434



16.8606, 14.9085, 63.6173



12.7131, 10.5420, 21.6147



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



18.0651, 7.9546, 62.2115



27.5242, 12.1041, 95.4934



38.6220, 18.5521, 63.1736



11.7378, 11.7137, 14.8860



11.0212, 4.8619, 37.5501



0.7077, 0.3190, 2.1038

Inverse Universe

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



29.2622, 14.8082, 13.8855



44.8318, 22.6967, 20.8442



23.2944, 46.5887, 7.7648



12.0434, 11.9021, 13.5043



17.7110, 8.9572, 8.6501



1.0303, 0.5168, 0.6944

Previews

White Background



This preview shows how the XYZ color 18.0645, 7.9544, 62.2113 looks on a white background.

Color Contrast Check

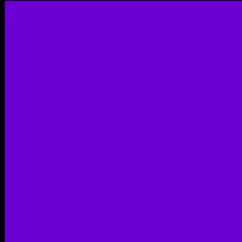
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



This preview shows how the XYZ color 18.0645, 7.9544, 62.2113 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 18.0645, 7.9544, 62.2113

Background



This preview shows how black text looks on a background with the XYZ color 18.0645, 7.9544, 62.2113.



This preview shows how white text looks on a background with the XYZ color 18.0645, 7.9544,

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

18.0645, 7.9544, 62.2113

Protanopia

9.6789, 8.3451, 37.1770

Deuteranopia

8.0528, 8.2936, 26.7676



Tritanopia

7.8010, 8.2924, 10.6406

Trichromacy



Original Color

18.0645, 7.9544, 62.2113

Protanomaly

10.4592, 6.1097, 44.8840

Deuteranomaly

9.1232, 5.7873, 37.1954

Tritanomaly

9.4861, 6.2241, 22.8917

Monochromacy



Original Color

18.0645, 7.9544, 62.2113

Achromatopsia

3.8890, 4.0915, 4.4557

Achromatomaly

6.5920, 3.9905, 16.0456

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.0645, 7.9544, 62.2113 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(109, 0, 211)` looks like.

```
.text, #text, p{  
    color:rgb(109, 0, 211)  
}
```

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(109, 0, 211) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 0, 211) }
```

Border

The CSS property to change the border of an element to XYZ 18.0645, 7.9544, 62.2113 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(109, 0, 211) }
```


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

```
.border{ border-color:rgb(109, 0, 211) }
```

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

Here you see how a box with a 4 pixel rgb(109, 0, 211) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(109, 0, 211); -webkit-box-  
shadow:4px 4px 4px 4px rgb(109, 0, 211);  
box-shadow:4px 4px 4px 4px rgb(109, 0,  
211) }
```

Background

The CSS property to change the background color of an element to XYZ 18.0645, 7.9544, 62.2113 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 0, 211) }
```

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

```
.background{ background-color: rgb(109, 0,  
211) }
```

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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