

Converting Colors

XYZ(17.7067, 11.2510, 36.9409)

Have a look what the booklet for
XYZ(17.7067, 11.2510, 36.9409)
contains.

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Color

**XYZ(17.6418, 11.2022,
36.8297)**

Conversions

Conversions Part 1

Format	Color
Hex	8042A5
RGB	128, 66, 165
RGB Percent	50%, 26%, 65%
CMY	0.4980, 0.7412, 0.3529
CMYK	0.22, 0.60, 0.00, 0.35
HSL	278°, 43%, 45%
HSV	278°, 60%, 65%
XYZ	17.6418, 11.2022, 36.8297
YIQ	95.8240, 5.1730, 43.9330

Conversions

Conversions Part 2

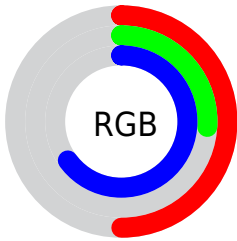
Format	Color
R_{YB}	128, 66, 165
Decimal	8405669
CIE _{Lab}	39.92, 44.18, -42.94
CIE _{LCh}	40, 61.612, 315.819
Yxy	11.2022, 0.2686, 0.1706
Android (android.graphics.Color)	4286595749 (0xFF8042A5)
YUV	95.8240, 34.1038, 28.2184
Hunter-Lab	33.4697, 35.5150, -41.8133

Details

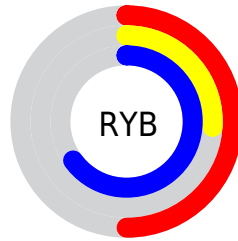
The XYZ color **17.6418, 11.2022, 36.8297** is a dark color, and the websafe version is hex **663399**. A complement of this color would be **20.0322, 30.1874, 9.9255**, and the grayscale version is **10.9952, 11.5678, 12.5974**.

A 20% lighter version of the original color is **38.9409, 28.0103, 71.7607**, and **5.9702, 2.9536, 15.5847** is the 20% darker color. If you saturate the color by 10%, you get **15.9137, 9.0810, 36.5116**, and if you desaturate by 10%, it is **19.7052, 13.9094, 37.2437**.

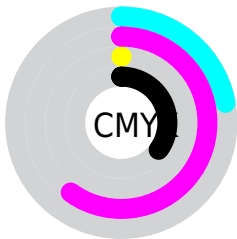
Distribution



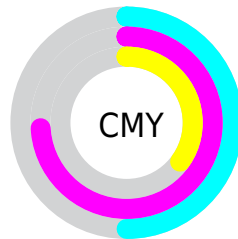
- Red (50%)
- Green (26%)
- Blue (65%)



- Red (50%)
- Yellow (26%)
- Blue (65%)



- Cyan (22%)
- Magenta (60%)
- Yellow (0%)
- Black (35%)



- Cyan (50%)
- Magenta (74%)
- Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.6418, 11.2022, 36.8297 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 17.6418, 11.2022, 36.8297 by changing the saturation by 10% instead.

■ 17.6418, 11.2022,
36.8297

■ 17.6418, 11.2022,
36.8297

231.9291,
199.0496, 347.7191

■ 10.7913, 6.2030,
24.7809

■ 38.9609, 28.0335,
71.4942

■ 5.9929, 2.9689,
15.6964

■ 54.1602, 40.6343,
94.9470

■ 2.8814, 1.1155,
9.1575

■ 72.8730, 56.5379,
123.0381

■ 1.0913, 0.0000,
4.7459

■ 95.4649, 76.1285,
156.1863

■ 0.0179, 0.0000,
2.0428

■ 122.3010, 99.7906,
194.8099

■ 0.0000, 0.0000,
0.5814

153.7469,

■ 0.0000, 0.0000,

127.9085, 239.3275

0.0000

190.1678,
160.8667, 290.1578

■ 17.6418, 11.2022,
36.8297

■ 17.6418, 11.2022,
36.8297

■ 15.9137, 9.0810,
36.5116

■ 19.7052, 13.9094,
37.2437

■ 14.4940, 7.4948,
36.2802

■ 22.1254, 17.2453,
37.7600

■ 13.3530, 6.3854,
36.1262

■ 24.9231, 21.2500,
38.3856

■ 12.4237, 5.6201,
36.0275

■ 28.1174, 25.9598,
39.1263

■ 12.4236, 5.6200,
36.0275

■ 31.7257, 31.4084,
39.9878

■ 35.7644, 37.6272,
40.9753

■ 40.2489, 44.6458,
42.0936

■ 45.1939, 52.4923,
43.3475

■ 50.6133, 61.1933,
44.7414

Harmonies

Analogous

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



13.0318, 11.2022, 51.3635



17.6418, 11.2022, 36.8297



20.6874, 11.2022, 18.8696

Triad

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



17.6418, 11.2022, 36.8297



12.7755, 11.2022, 0.6356



4.5652, 11.2022, 19.7467

Complementary

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



17.6418, 11.2022, 36.8297



20.0322, 30.1874, 9.9255

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.



4.5310, 11.2022, 7.3187



17.6418, 11.2022, 36.8297



8.5731, 11.2022, 0.6675

Square

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



17.6418, 11.2022, 36.8297



17.4117, 11.2022, 1.9390



5.7997, 11.2022, 2.0810



5.9105, 11.2022, 37.8262

Rectangle

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



17.6418, 11.2022, 36.8297



21.0110, 11.2022, 9.9767



5.7997, 11.2022, 2.0810



4.4150, 11.2022, 14.7251

Sweetspot

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



17.6423, 11.2026, 36.8300



51.3823, 48.0270, 70.3143



13.9839, 13.7658, 37.5175



10.8625, 9.9459, 15.2847



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

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



17.6423, 11.2026, 36.8300



27.5971, 15.2186, 65.2353



23.2525, 14.2109, 31.8499



7.1065, 7.0693, 8.8930



9.4551, 4.2807, 27.2577



0.2483, 0.1156, 0.5751

Inverse Universe

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



19.9137, 12.8753, 14.2678



32.6517, 18.8543, 18.9379



17.0612, 28.6124, 11.7473



7.1781, 7.1277, 7.9245



12.4123, 6.3210, 4.0956



0.2832, 0.1418, 0.2040

Previews

White Background



This preview shows how the XYZ color 17.6418, 11.2022, 36.8297 looks on a white background.

Color Contrast Check

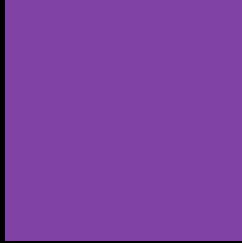
Large Text (above 18pt) WCAG AA ✓ Pass

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 17.6418, 11.2022, 36.8297 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 17.6418, 11.2022, 36.8297

Background



This preview shows how black text looks on a background with the XYZ color 17.6418, 11.2022, 36.8297.



This preview shows how white text looks on a background with the XYZ color 17.6418, 11.2022,

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

17.6418, 11.2022, 36.8297

Protanopia

13.4984, 11.4259, 50.7842

Deuteranopia

11.6168, 11.3406, 34.3776



Tritanopia

12.5060, 11.1589, 11.8507

Trichromacy



Original Color

17.6418, 11.2022, 36.8297

Protanomaly

13.3853, 10.4041, 45.5587

Deuteranomaly

12.7452, 10.5336, 35.0796

Tritanomaly

13.8715, 10.9169, 18.8288

Monochromacy



Original Color

17.6418, 11.2022, 36.8297

Achromatopsia

11.1181, 11.6971, 12.7381

Achromatomaly

12.8840, 11.0656, 19.5460

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.6418, 11.2022, 36.8297 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(128, 66, 165)` looks like.

```
.text, #text, p{  
    color:rgb(128, 66, 165)  
}
```

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(128, 66, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 66, 165) }
```

Border

The CSS property to change the border of an element to XYZ 17.6418, 11.2022, 36.8297 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(128, 66, 165) }
```


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

```
.border{ border-color:rgb(128, 66, 165) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 66, 165)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(128, 66, 165); -webkit-box-shadow:4px 4px 4px 4px rgb(128, 66, 165); box-shadow:4px 4px 4px 4px rgb(128, 66, 165) }
```

Background

The CSS property to change the background color of an element to XYZ 17.6418, 11.2022, 36.8297 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 66, 165) }
```

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

```
.background{ background-color: rgb(128, 66,  
165) }
```

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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