

Converting Colors

XYZ(17.3158, 11.3836, 34.9970)

Have a look what the booklet for
XYZ(17.3158, 11.3836, 34.9970)
contains.

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Color

**XYZ(17.3135, 11.3415,
34.9948)**

Conversions

Conversions Part 1

Format	Color
Hex	7F45A1
RGB	127, 69, 161
RGB Percent	50%, 27%, 63%
CMY	0.5020, 0.7294, 0.3686
CMYK	0.21, 0.57, 0.00, 0.37
HSL	278°, 40%, 45%
HSV	278°, 57%, 63%
XYZ	17.3135, 11.3415, 34.9948
YIQ	96.8300, 5.0360, 40.9080

Conversions

Conversions Part 2

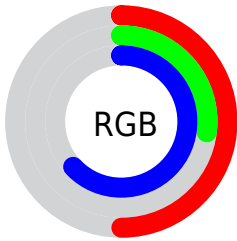
Format	Color
R_{YB}	127, 69, 161
Decimal	8340897
CIE _{Lab}	40.15, 41.41, -40.19
CIE _{LCh}	40, 57.704, 315.858
Yxy	11.3415, 0.2720, 0.1782
Android (android.graphics.Color)	4286530977 (0xFF7F45A1)
YUV	96.8300, 31.6358, 26.4591
Hunter-Lab	33.6771, 32.8323, -38.0358

Details

The XYZ color **17.3135, 11.3415, 34.9948** is a dark color, and the websafe version is hex **663399**. A complement of this color would be **19.4129, 28.8033, 10.1671**, and the grayscale version is **11.2451, 11.8307, 12.8837**.

A 20% lighter version of the original color is **38.4025, 28.3359, 68.4111**, and **5.8172, 3.0257, 14.7454** is the 20% darker color. If you saturate the color by 10%, you get **15.5941, 9.1792, 34.6683**, and if you desaturate by 10%, it is **19.3549, 14.0690, 35.4139**.

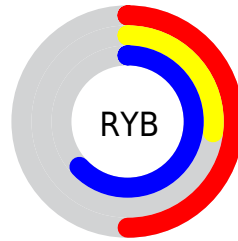
Distribution



Red (50%)

Green (27%)

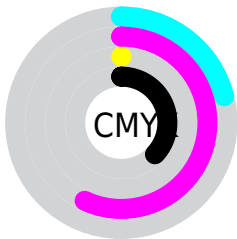
Blue (63%)



Red (50%)

Yellow (27%)

Blue (63%)

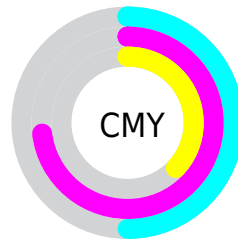


Cyan (21%)

Magenta (57%)

Yellow (0%)

Black (37%)



Cyan (50%)

Magenta (73%)

Yellow (37%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.3135, 11.3415, 34.9948 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 17.3135, 11.3415, 34.9948 by changing the saturation by 10% instead.

■ 17.3135, 11.3415,
34.9948

■ 17.3135, 11.3415,
34.9948

230.0938,
199.9957, 339.4489

■ 10.5549, 6.2970,
23.3753

■ 38.4033, 28.2900,
68.6292

■ 5.8335, 3.0265,
14.6630

■ 53.4653, 40.9627,
91.4812

■ 2.7838, 1.1456,
8.4392

■ 72.0258, 56.9470,
118.9145

■ 1.0405, 0.0166,
4.2855

■ 94.4502, 76.6273,
151.3476

■ 0.0000, 0.0000,
1.7832

■ 121.1039,
100.3879, 189.1991

■ 0.0000, 0.0000,
0.4169

152.3521,

■ 0.0000, 0.0000,

128.6132, 232.8874

0.0000

188.5603,
161.6877, 282.8312

■ 17.3135, 11.3415,
34.9948

■ 17.3135, 11.3415,
34.9948

■ 15.5941, 9.1792,
34.6683

■ 19.3549, 14.0690,
35.4139

■ 14.1721, 7.5358,
34.4260

■ 21.7375, 17.4005,
35.9313

■ 13.0211, 6.3595,
34.2596

■ 24.4806, 21.3728,
36.5535

■ 12.0997, 5.5686,
34.1555

■ 27.6015, 26.0192,
37.2858

■ 11.8561, 5.3689,
34.1298

■ 31.1164, 31.3708,
38.1335

■ 35.0404, 37.4566,
39.1014

■ 39.3878, 44.3042,
40.1940

■ 44.1720, 51.9394,
41.4156

■ 49.4062, 60.3870,
42.7703

Harmonies

Analogous

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



13.0269, 11.3415, 48.0972



17.3135, 11.3415, 34.9948



20.1182, 11.3415, 18.5679

Triad

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



17.3135, 11.3415, 34.9948



12.7754, 11.3415, 0.9277



4.9339, 11.3415, 19.4191

Complementary

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



17.3135, 11.3415, 34.9948



19.4129, 28.8033, 10.1671

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.



4.8984, 11.3415, 7.7014



17.3135, 11.3415, 34.9948



8.8071, 11.3415, 0.9589

Square

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



17.3135, 11.3415, 34.9948



17.0905, 11.3415, 2.3143



6.1394, 11.3415, 2.4709



6.2523, 11.3415, 35.9397

Rectangle

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



17.3135, 11.3415, 34.9948



20.4128, 11.3415, 10.2295



6.1394, 11.3415, 2.4709



4.7850, 11.3415, 14.7426

Sweetspot

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



17.3140, 11.3420, 34.9951



49.3262, 46.4389, 66.7504



13.8649, 13.7933, 35.6500



10.5800, 9.8272, 14.5829



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.



17.3140, 11.3420, 34.9951



27.0687, 15.4144, 61.9351



22.3529, 14.0443, 30.4999



7.1093, 7.0707, 8.8932



9.5150, 4.3116, 27.2605



0.2493, 0.1161, 0.5751

Inverse Universe

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



19.2746, 12.8130, 14.2897



31.4813, 18.6413, 19.1225



16.6376, 27.3305, 11.9368



7.1770, 7.1272, 7.9183



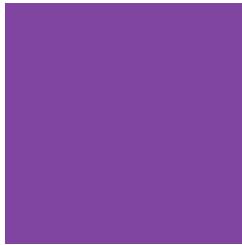
12.3980, 6.3153, 4.0207



0.2828, 0.1416, 0.2019

Previews

White Background



This preview shows how the XYZ color 17.3135, 11.3415, 34.9948 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 17.3135, 11.3415, 34.9948 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

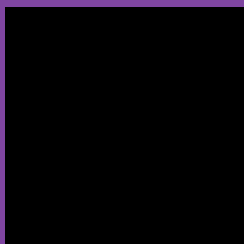
Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

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

XYZ 17.3135, 11.3415, 34.9948

Background



This preview shows how black text looks on a background with the XYZ color 17.3135, 11.3415, 34.9948.



This preview shows how white text looks on a background with the XYZ color 17.3135, 11.3415,

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

17.3135, 11.3415, 34.9948

Protanopia

13.3933, 11.5864, 46.8779

Deuteranopia

11.7803, 11.4546, 33.0426



Tritanopia

12.6310, 11.3375, 12.1123

Trichromacy



Original Color

17.3135, 11.3415, 34.9948

Protanomaly

13.6793, 10.8530, 42.4481

Deuteranomaly

12.9790, 10.9180, 33.7711

Tritanomaly

13.8844, 11.0384, 18.5384

Monochromacy



Original Color

17.3135, 11.3415, 34.9948

Achromatopsia

11.3621, 11.9538, 13.0177

Achromatomaly

12.9827, 11.3606, 19.2779

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.3135, 11.3415, 34.9948 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(127, 69, 161)` looks like.

```
.text, #text, p{  
    color:rgb(127, 69, 161)  
}
```

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(127, 69, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 69, 161) }
```

Border

The CSS property to change the border of an element to XYZ 17.3135, 11.3415, 34.9948 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(127, 69, 161) }
```


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

```
.border{ border-color:rgb(127, 69, 161) }
```

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

Here you see how a box with a 4 pixel rgb(127, 69, 161) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 69, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 69, 161);  
box-shadow:4px 4px 4px 4px rgb(127, 69,  
161) }
```

Background

The CSS property to change the background color of an element to XYZ 17.3135, 11.3415, 34.9948 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 69, 161) }
```

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

```
.background{ background-color: rgb(127, 69,  
161) }
```

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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