

Converting Colors

XYZ(30.3872, 17.0562, 83.2098)

Have a look what the booklet for
XYZ(30.3872, 17.0562, 83.2098)
contains.

XYZ(30.4706, 17.0675, 83.3497)	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(30.4706, 17.0675,
83.3497)**

Conversions

Conversions Part 1

Format	Color
Hex	9745EF
RGB	151, 69, 239
RGB Percent	59%, 27%, 94%
CMY	0.4078, 0.7294, 0.0627
CMYK	0.37, 0.71, 0.00, 0.06
HSL	269°, 84%, 60%
HSV	269°, 71%, 94%
XYZ	30.4706, 17.0675, 83.3497
YIQ	112.8980, -5.6980, 70.2540

Conversions

Conversions Part 2

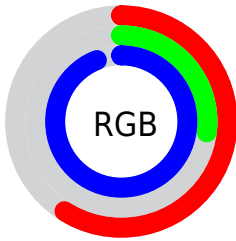
Format	Color
R_{YB}	151, 69, 239
Decimal	9913839
CIE _{Lab}	48.34, 64.85, -72.02
CIE _{LCh}	48, 96.914, 312.005
Yxy	17.0675, 0.2328, 0.1304
Android (android.graphics.Color)	4288103919 (0xFF9745EF)
YUV	112.8980, 62.1683, 33.4155
Hunter-Lab	41.3128, 59.3566, -90.7001

Details

The XYZ color **30.4706, 17.0675, 83.3497** is a light color, and the websafe version is hex **9933CC**. The color can be described as light muted purple. A complement of this color would be **45.8449, 69.3308, 16.5963**, and the grayscale version is **15.4895, 16.2962, 17.7466**.

A 20% lighter version of the original color is **52.1216, 35.4842, 98.7098**, and **12.7579, 5.6015, 44.6648** is the 20% darker color. If you saturate the color by 10%, you get **27.1085, 13.5739, 82.8529**, and if you desaturate by 10%, it is **34.6669, 21.8695, 84.0558**.

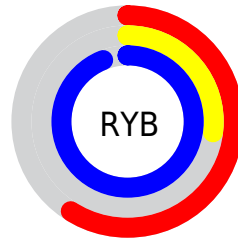
Distribution



Red (59%)

Green (27%)

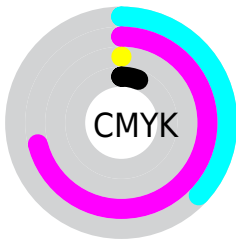
Blue (94%)



Red (59%)

Yellow (27%)

Blue (94%)

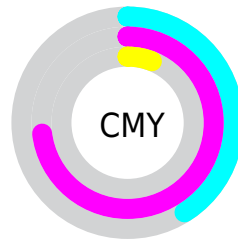


Cyan (37%)

Magenta (71%)

Yellow (0%)

Black (6%)



Cyan (41%)


Magenta (73%)


Yellow (6%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 30.4706, 17.0675, 83.3497 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 30.4706, 17.0675, 83.3497 by changing the saturation by 10% instead.

 30.4706, 17.0675,
83.3497

 30.4706, 17.0675,
83.3497


295.9625,
235.5611, 526.1527


 20.3459, 10.2826,
61.9364


 59.7871, 38.4418,
139.9187


 12.7565, 5.5867,
44.5458


 79.7097, 53.8000,
175.9116


 7.3369, 2.5955,
30.7595


 103.6289, 72.7848,
217.6013

 3.7219, 0.9244,
20.1589

 131.9102, 95.7805,
265.4065

 1.5460, 0.0000,
12.3254

 164.9188,
123.1716, 319.7457

 0.3568, 0.0000,
6.8404

203.0202,

 0.0000, 0.0000,

155.3425, 381.0375

3.2856

246.5796,
192.6775, 449.7003

■ 0.0000, 0.0000,
1.2422

■ 0.0000, 0.0000,
0.0137

■ 30.4706, 17.0675,
83.3497

■ 30.4706, 17.0675,
83.3497

■ 27.1085, 13.5739,
82.8529

■ 34.6669, 21.8695,
84.0558

■ 24.4947, 11.2313,
82.5385

■ 39.7654, 28.1089,
84.9914

■ 22.6881, 9.8964,
82.3761

■ 45.8290, 35.9001,
86.1756

■ 52.9136, 45.3454,
87.6254

61.0706, 56.5382,
89.3559

70.3476, 69.5646,
91.3813

80.7891, 84.5050,
93.7147

90.7553, 98.0713,
95.8080

92.5801, 99.0120,
95.8934

Harmonies

Analogous

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



20.0225, 17.0675, 118.5192



30.4706, 17.0675, 83.3497



38.3663, 17.0675, 38.0554

Triad

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



30.4706, 17.0675, 83.3497



22.0633, 17.0675, 0.0000



4.6260, 17.0675, 30.6656

Complementary

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



30.4706, 17.0675, 83.3497



45.8449, 69.3308, 16.5963

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.



4.8282, 17.0675, 7.2330



30.4706, 17.0675, 83.3497



12.9359, 17.0675, 0.0000

Square

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



30.4706, 17.0675, 83.3497



32.4239, 17.0675, 1.3322



7.2958, 17.0675, 0.7927



6.5828, 17.0675, 73.9403

Rectangle

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



30.4706, 17.0675, 83.3497



39.8430, 17.0675, 16.9313



7.2958, 17.0675, 0.7927



4.4712, 17.0675, 20.3401

Sweetspot

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



30.4715, 17.0681, 83.3501



70.8090, 65.5800, 103.5339



30.5476, 32.5237, 86.3294



14.5678, 13.2224, 22.0343



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.



30.4715, 17.0681, 83.3501



30.0450, 14.4445, 95.8123



51.4216, 27.8682, 84.3306



15.6229, 15.6028, 19.9098



12.6879, 5.5463, 45.5297



1.1699, 0.5203, 3.7930

Inverse Universe

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



43.8105, 25.0414, 34.4214



47.4821, 24.8787, 31.3422



34.8165, 63.6454, 16.0801



16.1145, 15.8955, 18.1589



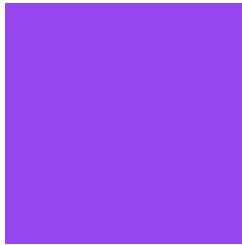
21.7387, 10.9679, 11.8064



1.8587, 0.9325, 1.2470

Previews

White Background



This preview shows how the XYZ color 30.4706, 17.0675, 83.3497 looks on a white background.

Color Contrast Check

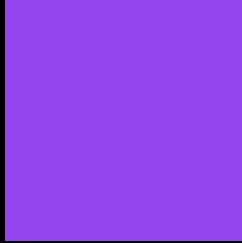
Large Text (above 18pt) WCAG AA ✓ Pass

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 30.4706, 17.0675, 83.3497 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

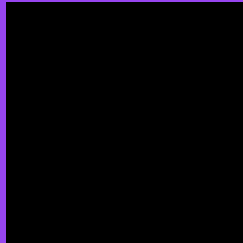
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 30.4706, 17.0675, 83.3497

Background



This preview shows how black text looks on a background with the XYZ color 30.4706, 17.0675, 83.3497.



This preview shows how white text looks on a background with the XYZ color 30.4706, 17.0675,

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

30.4706, 17.0675, 83.3497

Protanopia

20.5357, 17.3094, 80.1006

Deuteranopia

17.1408, 17.0344, 58.8845



Tritanopia

17.5099, 16.9194, 19.7957

Trichromacy



Original Color

30.4706, 17.0675, 83.3497



Protanomaly

20.8987, 15.2341, 81.1959



Deuteranomaly

18.5274, 14.8844, 66.8622



Tritanomaly

20.6947, 15.9797, 36.6440

Monochromacy



Original Color

30.4706, 17.0675, 83.3497



Achromatopsia

15.6958, 16.5132, 17.9829



Achromatomaly

19.2851, 15.5646, 34.7887

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.4706, 17.0675, 83.3497 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(151, 69, 239)` looks like.

```
.text, #text, p{  
    color:rgb(151, 69, 239)  
}
```

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(151, 69, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 69, 239) }
```

Border

The CSS property to change the border of an element to XYZ 30.4706, 17.0675, 83.3497 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(151, 69, 239) }
```


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

```
.border{ border-color:rgb(151, 69, 239) }
```

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

Here you see how a box with a 4 pixel `rgb(151, 69, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(151, 69, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(151, 69, 239);  
box-shadow:4px 4px 4px 4px rgb(151, 69,  
239) }
```

Background

The CSS property to change the background color of an element to XYZ 30.4706, 17.0675, 83.3497 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(151, 69, 239) }
```

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

```
.background{ background-color: rgb(151, 69,  
239) }
```

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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