

Converting Colors

XYZ(34.3717, 17.0304, 81.5964)

Have a look what the booklet for
XYZ(34.3717, 17.0304, 81.5964)
contains.

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Color

**XYZ(34.3717, 17.0304,
81.5964)**

Conversions

Conversions Part 1

Format	Color
Hex	B227ED
RGB	178, 39, 237
RGB Percent	70%, 15%, 93%
CMY	0.3019, 0.8470, 0.0706
CMYK	0.25, 0.84, 0.00, 0.07
HSL	282°, 85%, 54%
HSV	282°, 84%, 93%
XYZ	34.3717, 17.0304, 81.5964
YIQ	103.1330, 19.2860, 91.0460

Conversions

Conversions Part 2

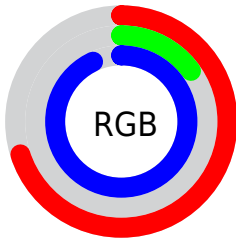
Format	Color
RYB	178, 39, 237
Decimal	11675629
CIELab	48.30, 79.08, -70.80
CIElCh	48, 106.143, 318.159
Yxy	17.0304, 0.2584, 0.1280
Android (android.graphics.Color)	4289865709 (0xFFB227ED)
YUV	103.1330, 65.9964, 65.6584
Hunter-Lab	41.2679, 76.4524, -88.3428

Details

The XYZ color **34.3717, 17.0304, 81.5964** is a light color, and the websafe version is hex **CC33FF**. The color can be described as light washed purple. A complement of this color would be **35.6876, 63.3118, 12.2592**, and the grayscale version is **12.7556, 13.4199, 14.6143**.

A 20% lighter version of the original color is **58.2602, 35.2978, 98.3502**, and **15.8460, 7.2172, 43.7379** is the 20% darker color. If you saturate the color by 10%, you get **32.2430, 15.1160, 81.3394**, and if you desaturate by 10%, it is **37.0705, 19.9590, 82.0198**.

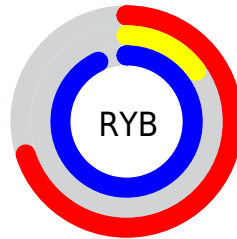
Distribution



Red (70%)

Green (15%)

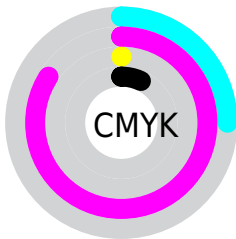
Blue (93%)



Red (70%)

Yellow (15%)

Blue (93%)

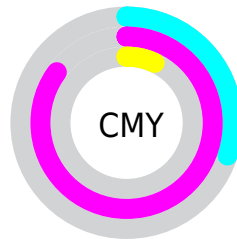


Cyan (25%)

Magenta (84%)

Yellow (0%)

Black (7%)



Cyan (30%)


Magenta (85%)


Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 34.3717, 17.0304, 81.5964 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 34.3717, 17.0304, 81.5964 by changing the saturation by 10% instead.


 34.3717, 17.0304,
81.5964


 34.3717, 17.0304,
81.5964


313.3431,
235.3475, 520.1446

 23.3435, 10.2562,
60.4990


 65.8517, 38.3780,
137.4395


 14.9695, 5.5691,
43.3931


 87.0343, 53.7202,
173.0223


 8.8841, 2.5849,
29.8600


 112.3324, 72.6872,
214.2706

 4.7222, 0.9191,
19.4812

 142.1114, 95.6633,
261.6031

 2.1183, 0.0000,
11.8382

 176.7366,
123.0330, 315.4381

 0.6991, 0.0000,
6.5124

 216.5734,

 0.0000, 0.0000,

155.1807, 376.1944

3.0853

261.9871,
192.4907, 444.2904

■ 0.0000, 0.0000,
1.1383

■ 0.0000, 0.0000,
0.0000

■ 34.3717, 17.0304,
81.5964

■ 34.3717, 17.0304,
81.5964

■ 32.2430, 15.1160,
81.3394

■ 37.0705, 19.9590,
82.0198

■ 31.0921, 14.2627,
81.2354

■ 40.4166, 24.0576,
82.6345

■ 44.4765, 29.4565,
83.4626

■ 49.3073, 36.2680,
84.5228

■ 54.9598, 44.5920,
85.8315

■ 61.4801, 54.5191,
87.4040

■ 68.9107, 66.1328,
89.2540

■ 77.2914, 79.5107,
91.3945

■ 86.6591, 94.7255,
93.8376

Harmonies

Analogous

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



22.7025, 17.0304, 129.1604



34.3717, 17.0304, 81.5964



42.0644, 17.0304, 31.7601

Triad

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



34.3717, 17.0304, 81.5964



20.3108, 17.0304, 0.0000



4.1660, 17.0304, 40.5894

Complementary

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



34.3717, 17.0304, 81.5964



35.6876, 63.3118, 12.2592

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.



3.9550, 17.0304, 9.6206



34.3717, 17.0304, 81.5964



11.0550, 17.0304, 0.0000

Square

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



34.3717, 17.0304, 81.5964



32.0322, 17.0304, 0.2934



5.9087, 17.0304, 0.8717



6.6804, 17.0304, 93.2594

Rectangle

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



34.3717, 17.0304, 81.5964



42.4578, 17.0304, 11.9645



5.9087, 17.0304, 0.8717



3.8745, 17.0304, 27.1764

Sweetspot

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



34.3726, 17.0310, 81.5968



71.3289, 62.4244, 102.8974



20.5284, 15.3567, 82.0033



14.6728, 12.4519, 21.8801



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.



34.3726, 17.0310, 81.5968



36.6445, 16.8058, 95.9202



45.7749, 23.5055, 55.1889



15.2525, 15.0754, 19.0282



17.1133, 7.8581, 44.3578



1.4398, 0.6665, 3.4876

Inverse Universe

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



37.8554, 20.3377, 13.4857



42.5439, 21.7816, 8.7962



32.5180, 61.5588, 17.4897



15.2502, 15.1279, 16.6026



19.7324, 10.0957, 4.3922



1.5905, 0.8092, 0.5609

Previews

White Background



This preview shows how the XYZ color 34.3717, 17.0304, 81.5964 looks on a white background.

Color Contrast Check

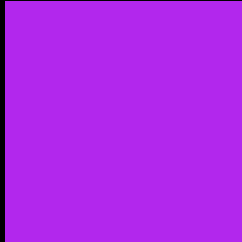
Large Text (above 18pt) WCAG AA ✓ Pass

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 34.3717, 17.0304, 81.5964 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

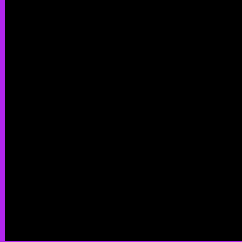
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 34.3717, 17.0304, 81.5964

Background



This preview shows how black text looks on a background with the XYZ color 34.3717, 17.0304, 81.5964.



This preview shows how white text looks on a background with the XYZ color 34.3717, 17.0304,

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

34.3717, 17.0304, 81.5964

Protanopia

20.5357, 17.3094, 80.1006

Deuteranopia

17.4979, 17.3646, 60.1871



Tritanopia

20.8221, 16.9234, 15.5337

Trichromacy



Original Color

34.3717, 17.0304, 81.5964



Protanomaly

20.4239, 13.6190, 80.1495



Deuteranomaly

18.2767, 13.2783, 67.2453



Tritanomaly

23.9207, 15.6070, 31.8887

Monochromacy



Original Color

34.3717, 17.0304, 81.5964



Achromatopsia

12.8919, 13.5633, 14.7705



Achromatomaly

17.7421, 12.7501, 31.2317

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.3717, 17.0304, 81.5964 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(178, 39, 237)` looks like.

```
.text, #text, p{  
    color:rgb(178, 39, 237)  
}
```

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(178, 39, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 39, 237) }
```

Border

The CSS property to change the border of an element to XYZ 34.3717, 17.0304, 81.5964 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(178, 39, 237) }
```


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

```
.border{ border-color:rgb(178, 39, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 39, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 39, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 39, 237);  
box-shadow:4px 4px 4px 4px rgb(178, 39,  
237) }
```

Background

The CSS property to change the background color of an element to XYZ 34.3717, 17.0304, 81.5964 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 39, 237) }
```

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

```
.background{ background-color: rgb(178, 39,  
237) }
```

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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