

Converting Colors

XYZ(36.1645, 17.1725, 86.2029)

Have a look what the booklet for
XYZ(36.1645, 17.1725, 86.2029)
contains.

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Color

**XYZ(36.2130, 17.1977,
86.2049)**

Conversions

Conversions Part 1

Format	Color
Hex	B815F3
RGB	184, 21, 243
RGB Percent	72%, 8%, 95%
CMY	0.2784, 0.9176, 0.0471
CMYK	0.24, 0.91, 0.00, 0.05
HSL	284°, 90%, 52%
HSV	284°, 91%, 95%
XYZ	36.2130, 17.1977, 86.2049
YIQ	95.0450, 25.8860, 103.5980

Conversions

Conversions Part 2

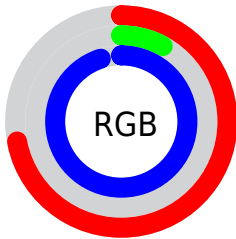
Format	Color
RYB	184, 21, 243
Decimal	12064243
CIELab	48.51, 84.42, -73.80
CIELCh	49, 112.132, 318.841
Yxy	17.1977, 0.2594, 0.1232
Android (android.graphics.Color)	4290254323 (0xFFB815F3)
YUV	95.0450, 72.9418, 78.0135
Hunter-Lab	41.4701, 83.2991, -94.2185

Details

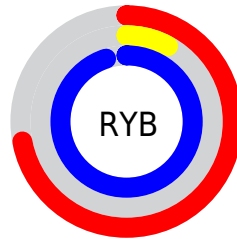
The XYZ color **36.2130, 17.1977, 86.2049** is a light color, and the websafe version is hex **CC33FF**. The color can be described as light washed purple. A complement of this color would be **35.4946, 65.8612, 11.5515**, and the grayscale version is **10.7159, 11.2740, 12.2774**.

A 20% lighter version of the original color is **59.9809, 35.1819, 98.2372**, and **17.1751, 7.8303, 47.0605** is the 20% darker color. If you saturate the color by 10%, you get **34.6345, 15.9859, 86.0545**, and if you desaturate by 10%, it is **38.4784, 19.3779, 86.5066**.

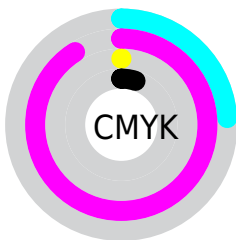
Distribution



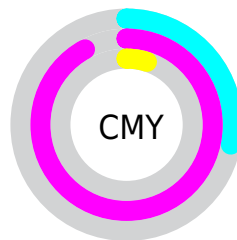
- Red (72%)
- Green (8%)
- Blue (95%)



- Red (72%)
- Yellow (8%)
- Blue (95%)



- Cyan (24%)
- Magenta (91%)
- Yellow (0%)
- Black (5%)





- Cyan (28%)
- Magenta (92%)
- Yellow (5%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.2130, 17.1977, 86.2049 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 36.2130, 17.1977, 86.2049 by changing the saturation by 10% instead.


 36.2130, 17.1977,
86.2049

 36.2130, 17.1977,
86.2049

321.3056,
236.3091, 535.8548

 24.7696, 10.3755,
64.2816


 68.6824, 38.6654,
143.9445


 16.0333, 5.6487,
46.4311

 90.4392, 54.0797,
180.5978


 9.6387, 2.6326,
32.2350

 116.3644, 73.1269,
222.9981

 5.2205, 0.9431,
21.2748

 146.8235, 96.1912,
271.5641

 2.4133, 0.0000,
13.1318

 182.1818,
123.6573, 326.7142

 0.8517, 0.0000,
7.3876

 222.8047,

 0.0000, 0.0000,

155.9093, 388.8670

3.6236

269.0575,
193.3318, 458.4410

■ 0.0000, 0.0000,
1.4212

■ 0.0000, 0.0000,
0.1582

■ 36.2130, 17.1977,
86.2049

■ 36.2130, 17.1977,
86.2049

■ 34.6345, 15.9859,
86.0545

■ 38.4784, 19.3779,
86.5066

■ 41.3480, 22.6616,
86.9892

■ 44.9034, 27.2092,
87.6796

■ 49.2118, 33.1538,
88.6000

■ 54.3316, 40.6114,
89.7696

■ 60.3156, 49.6858,
91.2057

■ 67.2114, 60.4712,
92.9241

■ 75.0631, 73.0547,
94.9391

■ 83.9120, 87.5174,
97.2643

Harmonies

Analogous

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



23.6003, 17.1977, 139.7395



36.2130, 17.1977, 86.2049



44.4367, 17.1977, 31.9640

Triad

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



36.2130, 17.1977, 86.2049



20.4796, 17.1977, 0.0000



3.8643, 17.1977, 43.6174

Complementary

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



36.2130, 17.1977, 86.2049



35.4946, 65.8612, 11.5515

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.



3.6080, 17.1977, 9.7641



36.2130, 17.1977, 86.2049



10.7550, 17.1977, 0.0000

Square

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



36.2130, 17.1977, 86.2049



33.1215, 17.1977, 0.0000



5.5200, 17.1977, 0.6876



6.4794, 17.1977, 101.9225

Rectangle

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



36.2130, 17.1977, 86.2049



44.7078, 17.1977, 11.2998



5.5200, 17.1977, 0.6876



3.5575, 17.1977, 28.8486

Sweetspot

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



36.2139, 17.1983, 86.2053



70.4663, 60.3544, 102.5433



19.3707, 12.3978, 86.1664



14.5375, 12.0715, 21.8138



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.



36.2139, 17.1983, 86.2053



38.6001, 17.8140, 96.0117



46.6567, 23.3618, 51.4568



16.7589, 16.5339, 20.8506



19.1428, 8.8428, 47.2359



1.7793, 0.8271, 4.1561

Inverse Universe

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



38.6786, 20.1705, 9.4446



42.2763, 21.6745, 7.3873



33.5562, 64.7394, 16.9967



16.6800, 16.5548, 18.0612



20.8505, 10.6837, 3.9213



1.8734, 0.9553, 0.5598

Previews

White Background



This preview shows how the XYZ color 36.2130, 17.1977, 86.2049 looks on a white background.

Color Contrast Check

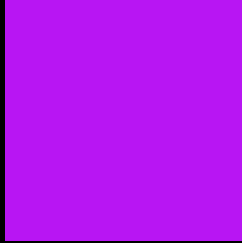
Large Text (above 18pt) WCAG AA ✓ Pass

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 36.2130, 17.1977, 86.2049 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

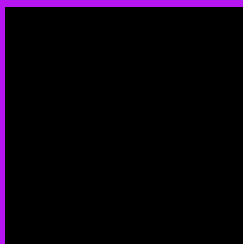
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 36.2130, 17.1977, 86.2049

Background



This preview shows how black text looks on a background with the XYZ color 36.2130, 17.1977, 86.2049.

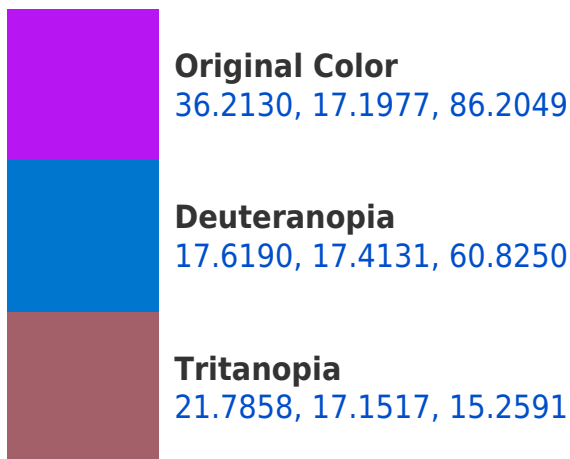


This preview shows how white text looks on a background with the XYZ color 36.2130, 17.1977,

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



Trichromacy



Original Color

36.2130, 17.1977, 86.2049



Deuteranomaly

18.1942, 12.4943, 68.4705



Tritanomaly

24.8391, 15.2807, 32.6507

Monochromacy



Original Color

36.2130, 17.1977, 86.2049



Achromatopsia

10.8771, 11.4435, 12.4620



Achromatomaly

16.2443, 10.8162, 29.6653

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.2130, 17.1977, 86.2049 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(184, 21, 243)` looks like.

```
.text, #text, p{  
    color:rgb(184, 21, 243)  
}
```

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(184, 21, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 21, 243) }
```

Border

The CSS property to change the border of an element to XYZ 36.2130, 17.1977, 86.2049 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(184, 21, 243) }
```

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

```
.border{ border-color:rgb(184, 21, 243) }
```

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

Here you see how a box with a 4 pixel `rgb(184, 21, 243)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 21, 243); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 21, 243);  
box-shadow:4px 4px 4px 4px rgb(184, 21,  
243) }
```


Background

The CSS property to change the background color of an element to XYZ 36.2130, 17.1977, 86.2049 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(184, 21, 243) }
```

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

```
.background{ background-color: rgb(184, 21,  
243) }
```

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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