

Converting Colors

XYZ(36.5541, 17.1609, 77.7669)

Have a look what the booklet for
XYZ(36.5541, 17.1609, 77.7669)
contains.

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Color

**XYZ(36.5578, 17.1637,
77.7300)**

Conversions

Conversions Part 1

Format	Color
Hex	C100E8
RGB	193, 0, 232
RGB Percent	76%, 0%, 91%
CMY	0.2431, 0.9999, 0.0902
CMYK	0.17, 1.00, 0.00, 0.09
HSL	290°, 100%, 45%
HSV	290°, 100%, 91%
XYZ	36.5578, 17.1637, 77.7300
YIQ	84.1550, 40.5560, 113.0680

Conversions

Conversions Part 2

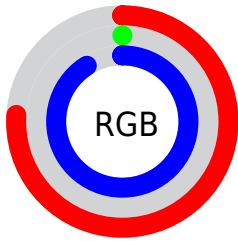
Format	Color
RYB	193, 0, 232
Decimal	12648680
CIELab	48.47, 85.75, -67.60
CIELCh	48, 109.194, 321.751
Yxy	17.1637, 0.2781, 0.1306
Android (android.graphics.Color)	4290838760 (0xFFC100E8)
YUV	84.1550, 72.8876, 95.4571
Hunter-Lab	41.4291, 85.0108, -82.2406

Details

The XYZ color **36.5578, 17.1637, 77.7300** is a dark color, and the websafe version is hex **CC33FF**. The color can be described as middle washed magenta. A complement of this color would be **29.6942, 58.1451, 9.6587**, and the grayscale version is **8.3101, 8.7429, 9.5210**.

A 20% lighter version of the original color is **62.8374, 36.1195, 98.2676**, and **17.4107, 8.0817, 41.1997** is the 20% darker color. If you saturate the color by 10%, you get **36.5575, 17.1635, 77.7303**, and if you desaturate by 10%, it is **37.8767, 18.3049, 77.8811**.

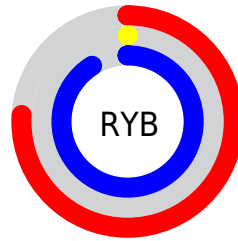
Distribution



Red (76%)

Green (0%)

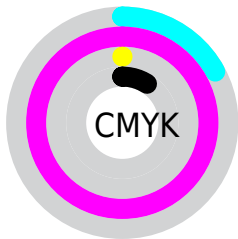
Blue (91%)



Red (76%)

Yellow (0%)

Blue (91%)

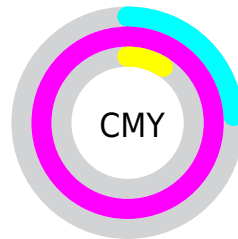


Cyan (17%)

Magenta (100%)

Yellow (0%)

Black (9%)



Cyan (24%)


Magenta (100%)

Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.5578, 17.1637, 77.7300 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 36.5578, 17.1637, 77.7300 by changing the saturation by 10% instead.


 36.5578, 17.1637,
77.7300


 36.5578, 17.1637,
77.7300


322.7809,
236.1140, 506.7530


 25.0374, 10.3513,
57.3371


 69.2104, 38.6070,
131.9518

 16.2338, 5.6325,
40.8648


 91.0733, 54.0067,
166.6178


 9.7816, 2.6229,
27.8945


 117.1145, 73.0376,
206.8786

 5.3156, 0.9382,
18.0078

 147.6992, 96.0841,
253.1527

 2.4702, 0.0000,
10.7861

 183.1928,
123.5306, 305.8586

 0.8803, 0.0000,
5.8108

 223.9608,

 0.0000, 0.0000,

155.7615, 365.4150

2.6635

270.3684,
193.1611, 432.2403

■ 0.0000, 0.0000,
0.9250

■ 0.0000, 0.0000,
0.0000

■ 36.5578, 17.1637,
77.7300

■ 36.5578, 17.1637,
77.7300

■ 36.5575, 17.1635,
77.7303

■ 37.8767, 18.3049,
77.8811

■ 39.5934, 20.2033,
78.1570

■ 41.8269, 23.0961,
78.5976

■ 44.6464, 27.1208,
79.2259

■ 48.1099, 32.3936,
80.0611

■ 52.2682, 39.0157,
81.1201

■ 57.1671, 47.0782,
82.4181

■ 62.8481, 56.6641,
83.9690

■ 69.3497, 67.8500,
85.7854

Harmonies

Analogous

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



24.5288, 17.1637, 130.7252



36.5578, 17.1637, 77.7300



43.7085, 17.1637, 27.7570

Triad

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



36.5578, 17.1637, 77.7300



19.2314, 17.1637, 0.0000



4.1772, 17.1637, 47.4322

Complementary

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



36.5578, 17.1637, 77.7300



29.6942, 58.1451, 9.6587

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.



3.7229, 17.1637, 11.8474



36.5578, 17.1637, 77.7300



10.1741, 17.1637, 0.0000

Square

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



36.5578, 17.1637, 77.7300



31.3513, 17.1637, 0.0000



5.3916, 17.1637, 1.1240



7.0690, 17.1637, 103.8994

Rectangle

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



36.5578, 17.1637, 77.7300



43.3159, 17.1637, 9.5655



5.3916, 17.1637, 1.1240



3.7996, 17.1637, 32.3000

Sweetspot

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



36.5586, 17.1644, 77.7304



70.7360, 58.1621, 102.1060



15.4134, 7.5215, 76.9836



14.5664, 11.4974, 21.7014



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.



36.5586, 17.1644, 77.7304



45.2394, 21.2367, 96.3224



39.4972, 19.6436, 34.3018



14.7448, 14.4862, 18.1633



20.3882, 9.5764, 43.1570



1.5699, 0.7403, 3.1921

Inverse Universe

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



33.6455, 17.3029, 3.4875



41.6736, 21.4335, 4.2134



30.0756, 58.2010, 16.0360



14.4754, 14.4073, 15.4376



18.7095, 9.6180, 2.0992



1.4122, 0.7226, 0.3112

Previews

White Background



This preview shows how the XYZ color 36.5578, 17.1637, 77.7300 looks on a white background.

Color Contrast Check

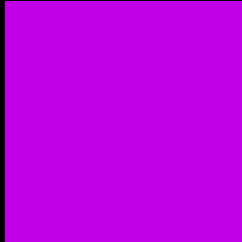
Large Text (above 18pt) WCAG AA ✓ Pass

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 36.5578, 17.1637, 77.7300 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

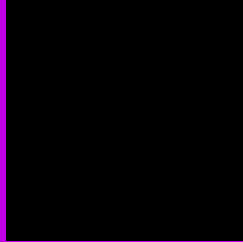
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 36.5578, 17.1637, 77.7300

Background



This preview shows how black text looks on a background with the XYZ color 36.5578, 17.1637, 77.7300.



This preview shows how white text looks on a background with the XYZ color 36.5578, 17.1637,

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

36.5578, 17.1637, 77.7300

Protanopia

21.3377, 17.9833, 83.2354

Deuteranopia

18.1054, 17.7971, 62.8025



Tritanopia

23.5780, 17.4592, 13.4365

Trichromacy



Original Color

36.5578, 17.1637, 77.7300



Protanomaly

19.9835, 11.9929, 80.6185



Deuteranomaly

17.6346, 11.4807, 66.9322



Tritanomaly

25.9928, 15.0465, 28.7284

Monochromacy



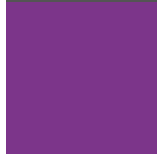
Original Color

36.5578, 17.1637, 77.7300



Achromatopsia

8.4267, 8.8656, 9.6546



Achromatomaly

14.1727, 8.6663, 24.9705

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.5578, 17.1637, 77.7300 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(193, 0, 232)` looks like.

```
.text, #text, p{  
  color:rgb(193, 0, 232)  
}
```

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(193, 0, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 0, 232) }
```

Border

The CSS property to change the border of an element to XYZ 36.5578, 17.1637, 77.7300 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(193, 0, 232) }
```


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

```
.border{ border-color:rgb(193, 0, 232) }
```

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

Here you see how a box with a 4 pixel rgb(193, 0, 232) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(193, 0, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(193, 0, 232);  
box-shadow:4px 4px 4px 4px rgb(193, 0,  
232) }
```

Background

The CSS property to change the background color of an element to XYZ 36.5578, 17.1637, 77.7300 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 0, 232) }
```

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

```
.background{ background-color: rgb(193, 0,  
232) }
```

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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