

Converting Colors

XYZ(35.6825, 15.5308, 52.7309)

Have a look what the booklet for
XYZ(35.6825, 15.5308, 52.7309)
contains.

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Color

**XYZ(36.7143, 17.7890,
53.1283)**

Conversions

Conversions Part 1

Format	Color
Hex	D300C3
RGB	211, 0, 195
RGB Percent	83%, 0%, 76%
CMY	0.1725, 0.9999, 0.2353
CMYK	0.00, 1.00, 0.08, 0.17
HSL	305°, 100%, 41%
HSV	305°, 100%, 83%
XYZ	36.7143, 17.7890, 53.1283
YIQ	85.3190, 63.1610, 105.3770

Conversions

Conversions Part 2

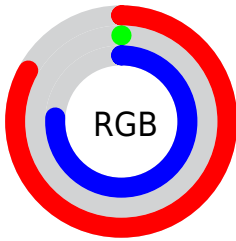
Format	Color
R_{YB}	211, 0, 195
Decimal	13828291
CIE _{Lab}	49.24, 82.94, -44.97
CIE _{LCh}	49, 94.345, 331.532
Yxy	17.7890, 0.3411, 0.1653
Android (android.graphics.Color)	4292018371 (0xFFD300C3)
YUV	85.3190, 54.0727, 110.2222
Hunter-Lab	42.1770, 81.5712, -45.1608

Details

The XYZ color **36.7143, 17.7890, 53.1283** is a dark color, and the websafe version is hex **CC00CC**. The color can be described as middle washed magenta. A complement of this color would be **23.3887, 46.6268, 8.2586**, and the grayscale version is **8.5862, 9.0333, 9.8373**.

A 20% lighter version of the original color is **62.8134, 36.2937, 95.7902**, and **17.5702, 8.5024, 25.9144** is the 20% darker color. If you saturate the color by 10%, you get **36.7144, 17.7891, 53.1271**, and if you desaturate by 10%, it is **37.1672, 18.4031, 54.1769**.

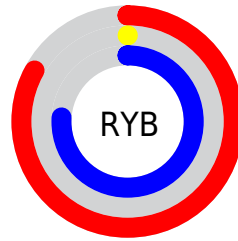
Distribution



Red (83%)

Green (0%)

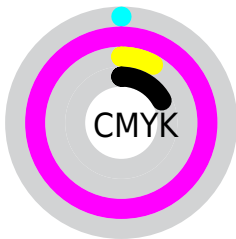
Blue (76%)



Red (83%)

Yellow (0%)

Blue (76%)

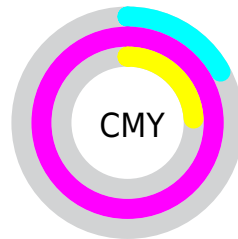


Cyan (0%)

Magenta (100%)

Yellow (8%)

Black (17%)



Cyan (17%)


Magenta (100%)

Yellow (24%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.7143, 17.7890, 53.1283 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 36.7143, 17.7890, 53.1283 by changing the saturation by 10% instead.

 36.7143, 17.7890,
53.1283


 36.7143, 17.7890,
53.1283

323.4490,
239.6790, 415.8574

 25.1590, 10.7986,
37.5168


 69.4498, 39.6775,
96.2366


 16.3249, 5.9316,
25.3089


 91.3608, 55.3443,
124.5704

 9.8467, 2.8035,
16.0863


 117.4544, 74.6721,
157.9821

 5.3589, 1.0300,
9.4302

 148.0960, 98.0452,
196.8902

 2.4963, 0.0000,
4.9222

 183.6509,
125.8481, 241.7133

 0.8934, 0.0000,
2.1437

 224.4844,

 0.0000, 0.0000,

158.4651, 292.8698

0.6416

270.9620,
196.2806, 350.7783

■ 0.0000, 0.0000,
0.0000

■ 36.7143, 17.7890,
53.1283

■ 36.7143, 17.7890,
53.1283

■ 36.7144, 17.7891,
53.1271

■ 37.1672, 18.4031,
54.1769

■ 37.9167, 19.6079,
55.3340

■ 39.0623, 21.6017,
56.6326

■ 40.6581, 24.4929,
58.0910

■ 42.7499, 28.3727,
59.7244

■ 45.3777, 33.3214,
61.5462

■ 48.5774, 39.4109,
63.5684

■ 52.3819, 46.7069,
65.8019

■ 56.8217, 55.2700,
68.2570

Harmonies

Analogous

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



27.4607, 17.7890, 97.6889



36.7143, 17.7890, 53.1283



40.2634, 17.7890, 18.0955

Triad

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



36.7143, 17.7890, 53.1283



16.4571, 17.7890, 0.0000



6.1552, 17.7890, 57.6733

Complementary

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



36.7143, 17.7890, 53.1283



23.3887, 46.6268, 8.2586

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.



4.9636, 17.7890, 20.7013



36.7143, 17.7890, 53.1283



9.4782, 17.7890, 0.3132

Square

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



36.7143, 17.7890, 53.1283



26.3865, 17.7890, 0.1369



5.9262, 17.7890, 4.1876



10.0240, 17.7890, 101.5703

Rectangle

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



36.7143, 17.7890, 53.1283



38.1930, 17.7890, 6.4229



5.9262, 17.7890, 4.1876



5.5040, 17.7890, 43.3285

Sweetspot

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



36.7150, 17.7899, 53.1286



74.3898, 60.1520, 97.4742



11.9409, 4.7980, 61.9255



15.4536, 11.9807, 20.5730



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.



36.7150, 17.7899, 53.1286



56.3309, 27.2964, 81.3977



28.7725, 14.6129, 11.3040



12.2705, 11.9929, 14.7002



22.1739, 10.7424, 32.1514



1.2516, 0.6054, 1.8598

Inverse Universe

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



36.7150, 17.7899, 53.1286



56.3309, 27.2964, 81.3977



26.6597, 47.9352, 25.4835



12.2705, 11.9929, 14.7002



22.1739, 10.7424, 32.1514



1.2516, 0.6054, 1.8598

Previews

White Background



This preview shows how the XYZ color 36.7143, 17.7890, 53.1283 looks on a white background.

Color Contrast Check

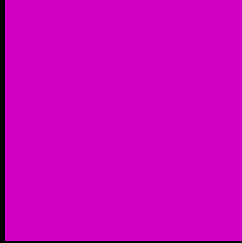
Large Text (above 18pt) WCAG AA ✓ Pass

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 36.7143, 17.7890, 53.1283 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

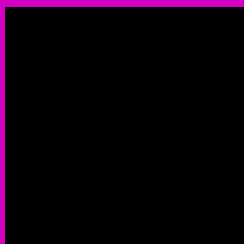
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 36.7143, 17.7890, 53.1283

Background



This preview shows how black text looks on a background with the XYZ color 36.7143, 17.7890, 53.1283.



This preview shows how white text looks on a background with the XYZ color 36.7143, 17.7890,

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

36.7143, 17.7890, 53.1283

Protanopia

22.3084, 18.7325, 87.2340

Deuteranopia

18.9818, 18.5910, 47.3877



Tritanopia

27.9585, 18.1812, 9.8203

Trichromacy



Original Color

36.7143, 17.7890, 53.1283



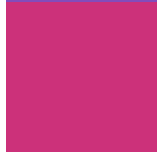
Protanomaly

19.1706, 11.8339, 73.2253



Deuteranomaly

20.9142, 13.5820, 48.5330



Tritanomaly

29.5130, 16.4391, 20.0299

Monochromacy



Original Color

36.7143, 17.7890, 53.1283



Achromatopsia

8.6345, 9.0842, 9.8927



Achromatomaly

14.3809, 8.9443, 20.3705

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.7143, 17.7890, 53.1283 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(211, 0, 195)` looks like.

```
.text, #text, p{  
    color:rgb(211, 0, 195)  
}
```

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(211, 0, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(211, 0, 195) }
```

Border

The CSS property to change the border of an element to XYZ 36.7143, 17.7890, 53.1283 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(211, 0, 195) }
```


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

```
.border{ border-color:rgb(211, 0, 195) }
```

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

Here you see how a box with a 4 pixel `rgb(211, 0, 195)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(211, 0, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(211, 0, 195);  
box-shadow:4px 4px 4px 4px rgb(211, 0,  
195) }
```

Background

The CSS property to change the background color of an element to XYZ 36.7143, 17.7890, 53.1283 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(211, 0, 195) }
```

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

```
.background{ background-color: rgb(211, 0,  
195) }
```

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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