

Converting Colors

XYZ(36.7222, 17.5898, 62.3145)

Have a look what the booklet for
XYZ(36.7222, 17.5898, 62.3145)
contains.

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Color

**XYZ(36.8097, 17.6323,
62.4361)**

Conversions

Conversions Part 1

Format	Color
Hex	CD00D2
RGB	205, 0, 210
RGB Percent	80%, 0%, 82%
CMY	0.1961, 0.9999, 0.1765
CMYK	0.02, 1.00, 0.00, 0.18
HSL	299°, 100%, 41%
HSV	299°, 100%, 82%
XYZ	36.8097, 17.6323, 62.4361
YIQ	85.2350, 54.7700, 108.7700

Conversions

Conversions Part 2

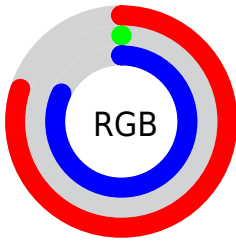
Format	Color
R_{YB}	205, 0, 210
Decimal	13435090
CIE _{Lab}	49.05, 84.08, -54.01
CIE _{LCh}	49, 99.932, 327.286
Yxy	17.6323, 0.3149, 0.1509
Android (android.graphics.Color)	4291625170 (0xFFCD00D2)
YUV	85.2350, 61.5091, 105.0339
Hunter-Lab	41.9908, 82.9914, -58.7646

Details

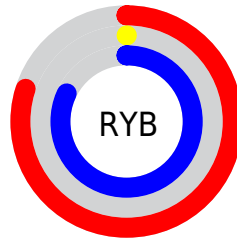
The XYZ color **36.8097, 17.6323, 62.4361** is a dark color, and the websafe version is hex **CC00CC**. The color can be described as middle washed magenta. A complement of this color would be **23.1098, 46.1259, 7.6860**, and the grayscale version is **8.5546, 9.0001, 9.8011**.

A 20% lighter version of the original color is **63.2044, 36.3087, 98.2848**, and **17.7705, 8.4776, 31.7101** is the 20% darker color. If you saturate the color by 10%, you get **36.8100, 17.6324, 62.4363**, and if you desaturate by 10%, it is **37.2170, 18.2411, 62.5324**.

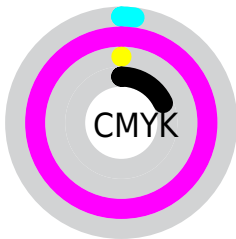
Distribution



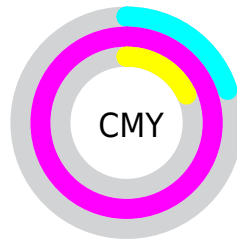
- Red (80%)
- Green (0%)
- Blue (82%)



- Red (80%)
- Yellow (0%)
- Blue (82%)



- Cyan (2%)
- Magenta (100%)
- Yellow (0%)
- Black (18%)





- Cyan (20%)
- Magenta (100%)
- Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.8097, 17.6323, 62.4361 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 36.8097, 17.6323, 62.4361 by changing the saturation by 10% instead.


 36.8097, 17.6323,
62.4361


 36.8097, 17.6323,
62.4361


323.8558,
238.7903, 451.5716


 25.2332, 10.6863,
44.9471


 69.5957, 39.4098,
109.9333


 16.3805, 5.8563,
31.0731


 91.5360, 55.0100,
140.7785

 9.8864, 2.7579,
20.3956


 117.6615, 74.2639,
176.9130

 5.3854, 1.0067,
12.4960

 148.3376, 97.5557,
218.7551

 2.5122, 0.0000,
6.9558

 183.9298,
125.2698, 266.7235

 0.9014, 0.0000,
3.3564

 224.8033,

 0.0000, 0.0000,

157.7907, 321.2367

1.2794

271.3235,
195.5027, 382.7132

■ 0.0000, 0.0000,
0.0448

■ 0.0000, 0.0000,
0.0000

■ 36.8097, 17.6323,
62.4361

■ 36.8097, 17.6323,
62.4361

■ 36.8100, 17.6324,
62.4363

■ 37.2170, 18.2411,
62.5324

■ 37.9158, 19.4331,
62.7256

■ 39.0050, 21.4050,
63.0488

■ 40.5379, 24.2638,
63.5198

■ 42.5598, 28.0998,
64.1537

■ 45.1101, 32.9922,
64.9636

■ 48.2246, 39.0121,
65.9614

■ 51.9356, 46.2244,
67.1579

■ 56.2731, 54.6891,
68.5632

Harmonies

Analogous

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



26.3893, 17.6323, 110.4629



36.8097, 17.6323, 62.4361



41.7876, 17.6323, 21.7329

Triad

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



36.8097, 17.6323, 62.4361



17.6220, 17.6323, 0.0000



5.3452, 17.6323, 53.6446

Complementary

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



36.8097, 17.6323, 62.4361



23.1098, 46.1259, 7.6860

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.



4.4757, 17.6323, 16.8694



36.8097, 17.6323, 62.4361



9.8132, 17.6323, 0.0000

Square

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



36.8097, 17.6323, 62.4361



28.4291, 17.6323, 0.0338



5.7512, 17.6323, 2.6751



8.8200, 17.6323, 102.8417

Rectangle

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



36.8097, 17.6323, 62.4361



40.3531, 17.6323, 7.6304



5.7512, 17.6323, 2.6751



4.8110, 17.6323, 38.8418

Sweetspot

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



36.8104, 17.6331, 62.4365



74.6432, 60.1763, 102.2888



11.7095, 4.8059, 61.2835



15.5150, 11.9865, 21.7458



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.



36.8104, 17.6331, 62.4365



57.0916, 27.3467, 96.8771



29.5041, 14.8725, 16.6487



12.2818, 11.9941, 14.9114



22.4663, 10.7621, 38.0857



1.2652, 0.6064, 2.1299

Inverse Universe

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



26.6063, 13.7133, 1.3890



41.2733, 21.2733, 2.1052



25.2524, 46.9757, 19.2953



11.8200, 11.8127, 12.3279



16.2344, 8.3666, 0.8743



0.9118, 0.4694, 0.0704

Previews

White Background



This preview shows how the XYZ color 36.8097, 17.6323, 62.4361 looks on a white background.

Color Contrast Check

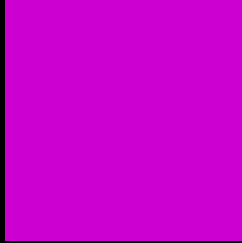
Large Text (above 18pt) WCAG AA ✓ Pass

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 36.8097, 17.6323, 62.4361 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

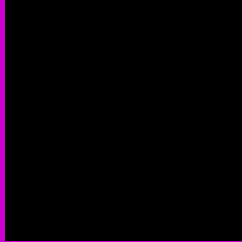
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 36.8097, 17.6323, 62.4361

Background



This preview shows how black text looks on a background with the XYZ color 36.8097, 17.6323, 62.4361.



This preview shows how white text looks on a background with the XYZ color 36.8097, 17.6323,

62.4361.

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

36.8097, 17.6323, 62.4361

Protanopia

21.8945, 18.3855, 85.6139

Deuteranopia

18.8548, 18.3487, 55.3712



Tritanopia

26.2646, 17.8155, 11.2870

Trichromacy



Original Color

36.8097, 17.6323, 62.4361



Protanomaly

19.5671, 11.9741, 76.1428



Deuteranomaly

20.4476, 13.1462, 57.3369



Tritanomaly

28.1578, 15.8577, 23.4066

Monochromacy



Original Color

36.8097, 17.6323, 62.4361



Achromatopsia

8.6345, 9.0842, 9.8927



Achromatomaly

14.4017, 8.9172, 22.0812

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.8097, 17.6323, 62.4361 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(205, 0, 210)` looks like.

```
.text, #text, p{  
    color:rgb(205, 0, 210)  
}
```

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(205, 0, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 0, 210) }
```

Border

The CSS property to change the border of an element to XYZ 36.8097, 17.6323, 62.4361 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(205, 0, 210) }
```


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

```
.border{ border-color:rgb(205, 0, 210) }
```

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

Here you see how a box with a 4 pixel `rgb(205, 0, 210)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 0, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 0, 210);  
box-shadow:4px 4px 4px 4px rgb(205, 0,  
210) }
```

Background

The CSS property to change the background color of an element to XYZ 36.8097, 17.6323, 62.4361 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 0, 210) }
```

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

```
.background{ background-color: rgb(205, 0,  
210) }
```

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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