

Converting Colors

XYZ(36.4471, 17.6196, 54.5457)

Have a look what the booklet for
XYZ(36.4471, 17.6196, 54.5457)
contains.

XYZ(36.3725, 17.5865, 54.3008)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(36.3725, 17.5865,
54.3008)**

Conversions

Conversions Part 1

Format	Color
Hex	D100C5
RGB	209, 0, 197
RGB Percent	82%, 0%, 77%
CMY	0.1804, 0.9999, 0.2274
CMYK	0.00, 1.00, 0.06, 0.18
HSL	303°, 100%, 41%
HSV	303°, 100%, 82%
XYZ	36.3725, 17.5865, 54.3008
YIQ	84.9490, 61.3270, 105.5750

Conversions

Conversions Part 2

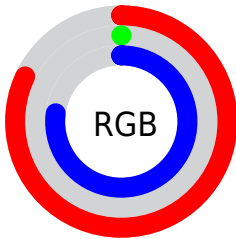
Format	Color
R_{YB}	209, 0, 197
Decimal	13697221
CIE _{Lab}	48.99, 82.87, -46.55
CIE _{LCh}	49, 95.053, 330.677
Yxy	17.5865, 0.3360, 0.1624
Android (android.graphics.Color)	4291887301 (0xFFD100C5)
YUV	84.9490, 55.2411, 108.7927
Hunter-Lab	41.9363, 81.4296, -47.4158

Details

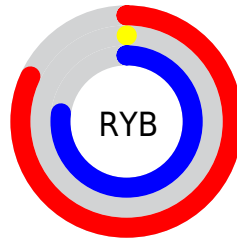
The XYZ color **36.3725, 17.5865, 54.3008** is a dark color, and the websafe version is hex **CC00CC**. The color can be described as middle washed magenta. A complement of this color would be **22.8676, 45.6282, 7.9507**, and the grayscale version is **8.5071, 8.9501, 9.7466**.

A 20% lighter version of the original color is **63.0437, 36.2445, 97.4390**, and **17.4602, 8.4370, 26.2994** is the 20% darker color. If you saturate the color by 10%, you get **36.3727, 17.5866, 54.3000**, and if you desaturate by 10%, it is **36.7779, 18.1757, 55.1173**.

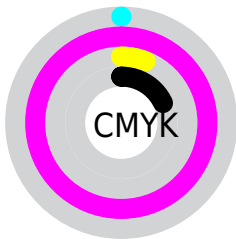
Distribution



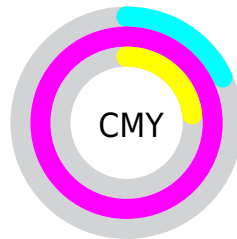
- Red (82%)
- Green (0%)
- Blue (77%)



- Red (82%)
- Yellow (0%)
- Blue (77%)



- Cyan (0%)
- Magenta (100%)
- Yellow (6%)
- Black (18%)





- Cyan (18%)
- Magenta (100%)
- Yellow (23%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.3725, 17.5865, 54.3008 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 36.3725, 17.5865, 54.3008 by changing the saturation by 10% instead.


 36.3725, 17.5865,
54.3008


 36.3725, 17.5865,
54.3008


321.9887,
238.5299, 420.4630


 24.8935, 10.6535,
38.4474


 68.9267, 39.3315,
97.9766


 16.1260, 5.8344,
26.0256


 90.7327, 54.9122,
126.6361

 9.7048, 2.7446,
16.6168


 116.7116, 74.1444,
160.4013

 5.2644, 0.9999,
9.8026

 147.2289, 97.4124,
199.6909

 2.4396, 0.0000,
5.1644

 182.6498,
125.1005, 244.9233

 0.8649, 0.0000,
2.2836

 223.3399,

 0.0000, 0.0000,

157.5932, 296.5171

0.7220

269.6644,
195.2749, 354.8908

■ 0.0000, 0.0000,
0.0000

■ 36.3725, 17.5865,
54.3008

■ 36.3725, 17.5865,
54.3008

■ 36.3727, 17.5866,
54.3000

■ 36.7779, 18.1757,
55.1173

■ 37.4722, 19.3416,
56.0354

■ 38.5531, 21.2790,
57.0879

■ 40.0737, 24.0938,
58.2923

■ 42.0784, 27.8752,
59.6636

■ 44.6064, 32.7014,
61.2147

■ 47.6928, 38.6427,
62.9575

■ 51.3698, 45.7633,
64.9026

■ 55.6670, 54.1224,
67.0599

Harmonies

Analogous

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



26.9864, 17.5865, 99.0737



36.3725, 17.5865, 54.3008



40.1554, 17.5865, 18.5784

Triad

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



36.3725, 17.5865, 54.3008



16.5151, 17.5865, 0.0000



5.9365, 17.5865, 56.3242

Complementary

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



36.3725, 17.5865, 54.3008



22.8676, 45.6282, 7.9507

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.



4.8211, 17.5865, 19.7305



36.3725, 17.5865, 54.3008



9.4503, 17.5865, 0.1899

Square

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



36.3725, 17.5865, 54.3008



26.5098, 17.5865, 0.1113



5.8362, 17.5865, 3.8251



9.6905, 17.5865, 100.8068

Rectangle

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



36.3725, 17.5865, 54.3008



38.2234, 17.5865, 6.5811



5.8362, 17.5865, 3.8251



5.3150, 17.5865, 42.0245

Sweetspot

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



36.3732, 17.5874, 54.3011



74.6107, 60.2404, 98.6373



11.6403, 4.6718, 60.6105



15.5073, 12.0021, 20.8559



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.



36.3732, 17.5874, 54.3011



57.0211, 27.5724, 85.0323



28.3185, 14.3655, 11.8858



12.2803, 11.9968, 14.7517



22.4388, 10.8483, 33.5463



1.2638, 0.6102, 1.9238

Inverse Universe

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



36.3732, 17.5874, 54.3011



57.0211, 27.5724, 85.0323



25.8935, 46.8386, 23.8849



12.2803, 11.9968, 14.7517



22.4388, 10.8483, 33.5463



1.2638, 0.6102, 1.9238

Previews

White Background



This preview shows how the XYZ color 36.3725, 17.5865, 54.3008 looks on a white background.

Color Contrast Check

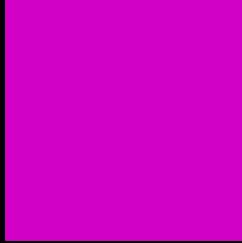
Large Text (above 18pt) WCAG AA ✓ Pass

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 36.3725, 17.5865, 54.3008 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

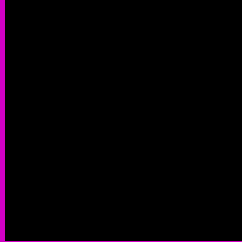
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 36.3725, 17.5865, 54.3008

Background



This preview shows how black text looks on a background with the XYZ color 36.3725, 17.5865, 54.3008.



This preview shows how white text looks on a background with the XYZ color 36.3725, 17.5865,

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

36.3725, 17.5865, 54.3008

Protanopia

22.0443, 18.4454, 86.4029

Deuteranopia

18.7151, 18.2535, 48.4358



Tritanopia

27.2028, 17.7873, 9.9822

Trichromacy



Original Color

36.3725, 17.5865, 54.3008



Protanomaly

19.0905, 11.7926, 73.2215



Deuteranomaly

20.6035, 13.2955, 49.6245



Tritanomaly

28.8238, 16.0694, 20.6513

Monochromacy



Original Color

36.3725, 17.5865, 54.3008



Achromatopsia

8.6345, 9.0842, 9.8927



Achromatomaly

14.2910, 8.8905, 20.7015

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.3725, 17.5865, 54.3008 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(209, 0, 197)` looks like.

```
.text, #text, p{  
    color:rgb(209, 0, 197)  
}
```

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(209, 0, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 0, 197) }
```

Border

The CSS property to change the border of an element to XYZ 36.3725, 17.5865, 54.3008 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(209, 0, 197) }
```


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

```
.border{ border-color:rgb(209, 0, 197) }
```

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

Here you see how a box with a 4 pixel rgb(209, 0, 197) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 0, 197); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 0, 197);  
box-shadow:4px 4px 4px 4px rgb(209, 0,  
197) }
```

Background

The CSS property to change the background color of an element to XYZ 36.3725, 17.5865, 54.3008 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 0, 197) }
```

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

```
.background{ background-color: rgb(209, 0,  
197) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor