

Converting Colors

XYZ(36.1951, 17.5189, 53.2170)

Have a look what the booklet for
XYZ(36.1951, 17.5189, 53.2170)
contains.

XYZ(36.1448, 17.4954, 53.1017)	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(36.1448, 17.4954,
53.1017)**

Conversions

Conversions Part 1

Format	Color
Hex	D100C3
RGB	209, 0, 195
RGB Percent	82%, 0%, 76%
CMY	0.1804, 0.9999, 0.2353
CMYK	0.00, 1.00, 0.07, 0.18
HSL	304°, 100%, 41%
HSV	304°, 100%, 82%
XYZ	36.1448, 17.4954, 53.1017
YIQ	84.7210, 61.9690, 104.9530

Conversions

Conversions Part 2

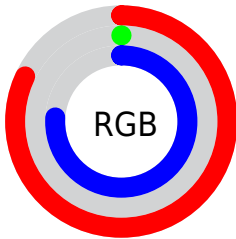
Format	Color
R_{YB}	209, 0, 195
Decimal	13697219
CIE _{Lab}	48.88, 82.60, -45.57
CIE _{LCh}	49, 94.336, 331.116
Yxy	17.4954, 0.3386, 0.1639
Android (android.graphics.Color)	4291887299 (0xFFD100C3)
YUV	84.7210, 54.3675, 108.9927
Hunter-Lab	41.8275, 81.0508, -45.9918

Details

The XYZ color **36.1448, 17.4954, 53.1017** 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 **22.8806, 45.6334, 8.0187**, and the grayscale version is **8.4614, 8.9020, 9.6943**.

A 20% lighter version of the original color is **62.7250, 36.1170, 95.7608**, and **17.3854, 8.4071, 25.9057** is the 20% darker color. If you saturate the color by 10%, you get **36.1449, 17.4955, 53.1008**, and if you desaturate by 10%, it is **36.5711, 18.0930, 54.0288**.

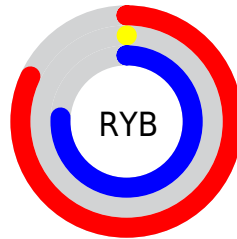
Distribution



Red (82%)

Green (0%)

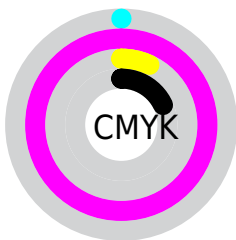
Blue (76%)



Red (82%)

Yellow (0%)

Blue (76%)

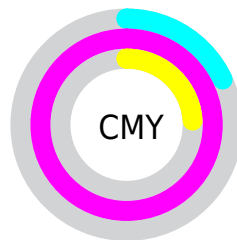


Cyan (0%)

Magenta (100%)

Yellow (7%)

Black (18%)



Cyan (18%)


Magenta (100%)


Yellow (24%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.1448, 17.4954, 53.1017 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 36.1448, 17.4954, 53.1017 by changing the saturation by 10% instead.


 36.1448, 17.4954,
53.1017


 36.1448, 17.4954,
53.1017


321.0132,
238.0113, 415.7525


 24.7167, 10.5883,
37.4957


 68.5779, 39.1756,
96.1971


 15.9937, 5.7907,
25.2927


 90.3136, 54.7175,
124.5235


 9.6105, 2.7183,
16.0743


 116.2159, 73.9065,
157.9271

 5.2018, 0.9865,
9.4218

 146.6501, 97.1269,
196.8265

 2.4021, 0.0000,
4.9168

 181.9815,
124.7633, 241.6402

 0.8462, 0.0000,
2.1406

 222.5757,

 0.0000, 0.0000,

157.1998, 292.7868

0.6398

268.7978,
194.8210, 350.6847

■ 0.0000, 0.0000,
0.0000

■ 36.1448, 17.4954,
53.1017

■ 36.1448, 17.4954,
53.1017

■ 36.1449, 17.4955,
53.1008

■ 36.5711, 18.0930,
54.0288

■ 37.2868, 19.2674,
55.0595

■ 38.3896, 21.2135,
56.2266

■ 39.9322, 24.0371,
57.5478

■ 41.9595, 27.8275,
59.0379

■ 44.5104, 32.6628,
60.7100

■ 47.6202, 38.6134,
62.5758

■ 51.3209, 45.7434,
64.6460

■ 55.6422, 54.1122,
66.9306

Harmonies

Analogous

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



26.9295, 17.4954, 97.2723



36.1448, 17.4954, 53.1017



39.7670, 17.4954, 18.1263

Triad

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



36.1448, 17.4954, 53.1017



16.3033, 17.4954, 0.0000



5.9818, 17.4954, 56.3870

Complementary

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



36.1448, 17.4954, 53.1017



22.8806, 45.6334, 8.0187

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.



4.8402, 17.4954, 20.0035



36.1448, 17.4954, 53.1017



9.3603, 17.4954, 0.2454

Square

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



36.1448, 17.4954, 53.1017



26.1543, 17.4954, 0.1169



5.8176, 17.4954, 3.9649



9.7526, 17.4954, 100.0819

Rectangle

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



36.1448, 17.4954, 53.1017



37.7858, 17.4954, 6.4276



5.8176, 17.4954, 3.9649



5.3522, 17.4954, 42.2216

Sweetspot

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



36.1455, 17.4963, 53.1020



74.4957, 60.1944, 98.0318



11.6896, 4.6972, 60.6128



15.4793, 11.9910, 20.7086



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.



36.1455, 17.4963, 53.1020



56.6602, 27.4281, 83.1317



28.1655, 14.3043, 11.0802



12.2752, 11.9948, 14.7249



22.3003, 10.7929, 32.8170



1.2574, 0.6077, 1.8904

Inverse Universe

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



36.1455, 17.4963, 53.1020



56.6602, 27.4281, 83.1317



26.0977, 46.9203, 24.9601



12.2752, 11.9948, 14.7249



22.3003, 10.7929, 32.8170



1.2574, 0.6077, 1.8904

Previews

White Background



This preview shows how the XYZ color 36.1448, 17.4954, 53.1017 looks on a white background.

Color Contrast Check

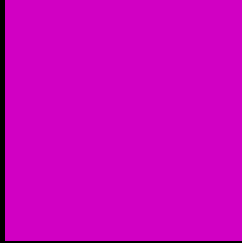
Large Text (above 18pt) WCAG AA ✓ Pass

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 36.1448, 17.4954, 53.1017 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

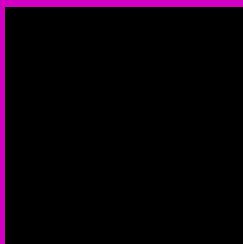
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 36.1448, 17.4954, 53.1017

Background



This preview shows how black text looks on a background with the XYZ color 36.1448, 17.4954, 53.1017.



This preview shows how white text looks on a background with the XYZ color 36.1448, 17.4954,

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

36.1448, 17.4954, 53.1017

Protanopia

21.8945, 18.3855, 85.6139

Deuteranopia

18.6818, 18.2606, 47.3398



Tritanopia

27.4278, 17.9076, 9.7955

Trichromacy



Original Color

36.1448, 17.4954, 53.1017



Protanomaly

18.8176, 11.6834, 71.7843



Deuteranomaly

20.5390, 13.2871, 48.4959



Tritanomaly

28.9683, 16.1583, 20.0044

Monochromacy



Original Color

36.1448, 17.4954, 53.1017



Achromatopsia

8.6345, 9.0842, 9.8927



Achromatomaly

14.2268, 8.8648, 20.3633

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.1448, 17.4954, 53.1017 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, 195)` looks like.

```
.text, #text, p{  
    color:rgb(209, 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(209, 0, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 0, 195) }
```

Border

The CSS property to change the border of an element to XYZ 36.1448, 17.4954, 53.1017 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, 195) }
```


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

```
.border{ border-color:rgb(209, 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(209, 0, 195)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 0, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 0, 195);  
box-shadow:4px 4px 4px 4px rgb(209, 0,  
195) }
```

Background

The CSS property to change the background color of an element to XYZ 36.1448, 17.4954, 53.1017 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, 195) }
```

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

```
.background{ background-color: rgb(209, 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](#).

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