

Converting Colors

XYZ(37.4558, 18.5478, 36.1535)

Have a look what the booklet for
XYZ(37.4558, 18.5478, 36.1535)
contains.

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Color

**XYZ(37.3513, 18.4916,
36.2509)**

Conversions

Conversions Part 1

Format	Color
Hex	E000A3
RGB	224, 0, 163
RGB Percent	88%, 0%, 64%
CMY	0.1216, 0.9998, 0.3608
CMYK	0.00, 1.00, 0.27, 0.12
HSL	316°, 100%, 44%
HSV	316°, 100%, 88%
XYZ	37.3513, 18.4916, 36.2509
YIQ	85.5580, 81.1810, 98.1810

Conversions

Conversions Part 2

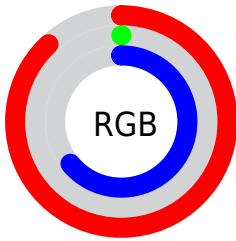
Format	Color
R_{YB}	224, 0, 163
Decimal	14680227
CIE _{Lab}	50.09, 81.38, -24.67
CIE _{LCh}	50, 85.035, 343.132
Yxy	18.4916, 0.4056, 0.2008
Android (android.graphics.Color)	4292870307 (0xFFE000A3)
YUV	85.5580, 38.1789, 121.4136
Hunter-Lab	43.0019, 79.7914, -19.8806

Details

The XYZ color **37.3513, 18.4916, 36.2509** is a dark color, and the websafe version is hex **CC0099**. The color can be described as middle washed rose. A complement of this color would be **27.4997, 53.6491, 13.3268**, and the grayscale version is **8.6670, 9.1183, 9.9299**.

A 20% lighter version of the original color is **57.9871, 34.5064, 69.9338**, and **17.9735, 8.9342, 15.8161** is the 20% darker color. If you saturate the color by 10%, you get **37.3504, 18.4913, 36.2456**, and if you desaturate by 10%, it is **38.2070, 19.3066, 39.2989**.

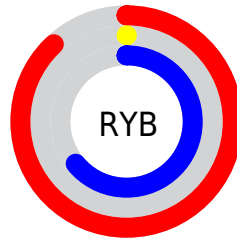
Distribution



Red (88%)

Green (0%)

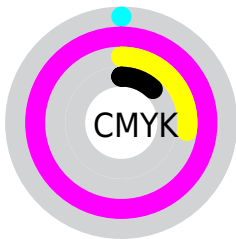
Blue (64%)



Red (88%)

Yellow (0%)

Blue (64%)

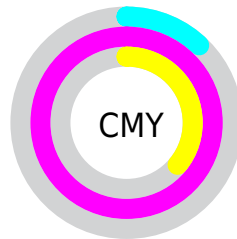


Cyan (0%)

Magenta (100%)

Yellow (27%)

Black (12%)



Cyan (12%)


Magenta (100%)


Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.3513, 18.4916, 36.2509 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 37.3513, 18.4916, 36.2509 by changing the saturation by 10% instead.

 37.3513, 18.4916,
36.2509

 37.3513, 18.4916,
36.2509


326.1581,
243.6275, 345.1264

 25.6545, 11.3035,
24.3368


 70.4231, 40.8732,
70.5925


 16.6967, 6.2714,
15.3691


 92.5288, 56.8356,
93.8572


 10.1124, 3.0108,
8.9294


 118.8349, 76.4914,
121.7424

 5.5364, 1.1374,
4.5990

 149.7067,
100.2252, 154.6668

 2.6033, 0.0096,
1.9594

 185.5096,
128.4213, 193.0488

 0.9476, 0.0000,
0.5301

 226.6089,

 0.0000, 0.0000,

161.4642, 237.3071

0.0000

273.3699,
199.7381, 287.8601

■ 37.3513, 18.4916,
36.2509

■ 37.3513, 18.4916,
36.2509

■ 37.3504, 18.4913,
36.2456

■ 38.2070, 19.3066,
39.2989

■ 39.4307, 20.8152,
42.6013

■ 41.1338, 23.2392,
46.1972

■ 43.3797, 26.7047,
50.1094

■ 46.2216, 31.3179,
54.3574

■ 49.7064, 37.1719,
58.9583

■ 53.8760, 44.3501,
63.9278

■ 58.7689, 52.9287,
69.2802

■ 64.4205, 62.9781,
75.0290

Harmonies

Analogous

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



30.6826, 18.4916, 74.2001



37.3513, 18.4916, 36.2509



37.7919, 18.4916, 11.5308

Triad

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



37.3513, 18.4916, 36.2509



14.2366, 18.4916, 0.2479



8.4097, 18.4916, 69.3528

Complementary

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



37.3513, 18.4916, 36.2509



27.4997, 53.6491, 13.3268

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.



6.2717, 18.4916, 32.2108



37.3513, 18.4916, 36.2509



8.8614, 18.4916, 1.9013

Square

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



37.3513, 18.4916, 36.2509



22.5498, 18.4916, 0.3482



6.4062, 18.4916, 9.6823



13.3928, 18.4916, 101.4164

Rectangle

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



37.3513, 18.4916, 36.2509



34.3260, 18.4916, 4.1793



6.4062, 18.4916, 9.6823



7.4153, 18.4916, 56.1895

Sweetspot

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



37.3519, 18.4926, 36.2512



72.1349, 59.2500, 85.5996



15.3043, 6.3361, 70.9376



14.9087, 11.7627, 17.7037



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.



37.3519, 18.4926, 36.2512



50.0546, 24.7858, 48.3471



31.3676, 16.0989, 4.7384



14.1274, 13.8686, 16.4410



21.7912, 10.7835, 21.3640



1.5474, 0.7622, 1.6755

Inverse Universe

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



37.3519, 18.4926, 36.2512



50.0546, 24.7858, 48.3471



34.0780, 56.2804, 47.9678



14.1274, 13.8686, 16.4410



21.7912, 10.7835, 21.3640



1.5474, 0.7622, 1.6755

Previews

White Background



This preview shows how the XYZ color 37.3513, 18.4916, 36.2509 looks on a white background.

Color Contrast Check

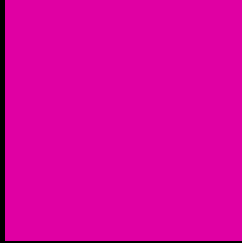
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 37.3513, 18.4916, 36.2509 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

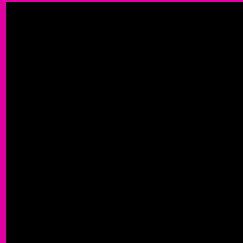
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 37.3513, 18.4916, 36.2509

Background



This preview shows how black text looks on a background with the XYZ color 37.3513, 18.4916, 36.2509.



This preview shows how white text looks on a background with the XYZ color 37.3513, 18.4916,

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

37.3513, 18.4916, 36.2509

Protanopia

22.5577, 19.3895, 78.8976

Deuteranopia

19.4668, 19.1737, 32.3806



Tritanopia

31.4618, 18.8238, 7.2853

Trichromacy



Original Color

37.3513, 18.4916, 36.2509



Protanomaly

21.0474, 13.1845, 60.4670



Deuteranomaly

22.1028, 14.5377, 33.0936



Tritanomaly

32.7064, 17.7608, 14.2747

Monochromacy



Original Color

37.3513, 18.4916, 36.2509



Achromatopsia

8.8453, 9.3059, 10.1341



Achromatomaly

14.5568, 9.1815, 16.9246

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.3513, 18.4916, 36.2509 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(224, 0, 163)` looks like.

```
.text, #text, p{  
    color:rgb(224, 0, 163)  
}
```

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(224, 0, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 0, 163) }
```

Border

The CSS property to change the border of an element to XYZ 37.3513, 18.4916, 36.2509 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(224, 0, 163) }
```


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

```
.border{ border-color:rgb(224, 0, 163) }
```

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

Here you see how a box with a 4 pixel rgb(224, 0, 163) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 0, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 0, 163);  
box-shadow:4px 4px 4px 4px rgb(224, 0,  
163) }
```

Background

The CSS property to change the background color of an element to XYZ 37.3513, 18.4916, 36.2509 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 0, 163) }
```

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

```
.background{ background-color: rgb(224, 0,  
163) }
```

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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