

Converting Colors

XYZ(36.7663, 15.9963, 55.4889)

Have a look what the booklet for
XYZ(36.7663, 15.9963, 55.4889)
contains.

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Color

**XYZ(37.8659, 18.3163,
56.1832)**

Conversions

Conversions Part 1

Format	Color
Hex	D500C8
RGB	213, 0, 200
RGB Percent	84%, 0%, 78%
CMY	0.1647, 0.9999, 0.2157
CMYK	0.00, 1.00, 0.06, 0.16
HSL	304°, 100%, 42%
HSV	304°, 100%, 84%
XYZ	37.8659, 18.3163, 56.1832
YIQ	86.4870, 62.7480, 107.3560

Conversions

Conversions Part 2

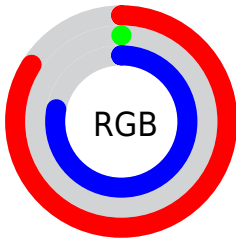
Format	Color
R_{YB}	213, 0, 200
Decimal	13959368
CIE _{Lab}	49.88, 83.95, -46.83
CIE _{LCh}	50, 96.133, 330.845
Yxy	18.3163, 0.3370, 0.1630
Android (android.graphics.Color)	4292149448 (0xFFD500C8)
YUV	86.4870, 55.9619, 110.9519
Hunter-Lab	42.7975, 83.0354, -47.8757

Details

The XYZ color **37.8659, 18.3163, 56.1832** 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 **23.8678, 47.6184, 8.3153**, and the grayscale version is **8.8284, 9.2882, 10.1149**.

A 20% lighter version of the original color is **63.2927, 36.4854, 98.3142**, and **18.2477, 8.8166, 27.5281** is the 20% darker color. If you saturate the color by 10%, you get **37.8660, 18.3163, 56.1821**, and if you desaturate by 10%, it is **38.2933, 18.9262, 57.0788**.

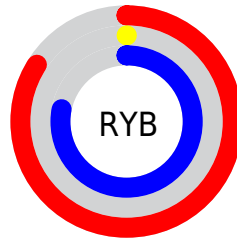
Distribution



Red (84%)

Green (0%)

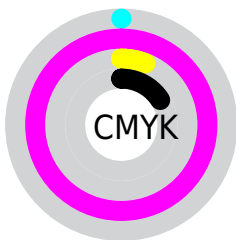
Blue (78%)



Red (84%)

Yellow (0%)

Blue (78%)

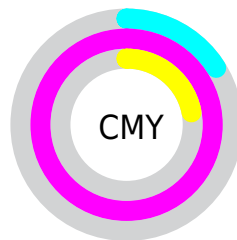


Cyan (0%)

Magenta (100%)

Yellow (6%)

Black (16%)



Cyan (16%)


Magenta (100%)


Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.8659, 18.3163, 56.1832 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 37.8659, 18.3163, 56.1832 by changing the saturation by 10% instead.


 37.8659, 18.3163,
56.1832


 37.8659, 18.3163,
56.1832

328.3352,
242.6479, 427.7892

 26.0554, 11.1773,
39.9448


 71.2078, 40.5756,
100.7608

 16.9980, 6.1862,
27.1821


 93.4698, 56.4646,
129.9372


 10.3283, 2.9586,
17.4764


 119.9464, 76.0392,
164.2634

 5.6811, 1.1102,
10.4092

 151.0029, 99.6836,
204.1578

 2.6910, 0.0000,
5.5620

 187.0047,
127.7823, 250.0390

 0.9925, 0.0000,
2.5162

 228.3171,

 0.0000, 0.0000,

160.7196, 302.3257

0.8487

275.3055,
198.8800, 361.4362

■ 0.0000, 0.0000,
0.0000

■ 37.8659, 18.3163,
56.1832

■ 37.8659, 18.3163,
56.1832

■ 37.8660, 18.3163,
56.1821

■ 38.2933, 18.9262,
57.0788

■ 39.0235, 20.1404,
58.0816

■ 40.1578, 22.1606,
59.2255

■ 41.7517, 25.0979,
60.5290

■ 43.8519, 29.0456,
62.0077

■ 46.4994, 34.0860,
63.6754

■ 49.7310, 40.2925,
65.5442

■ 53.5805, 47.7325,
67.6254

■ 58.0787, 56.4680,
69.9294

Harmonies

Analogous

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



28.1395, 18.3163, 102.6644



37.8659, 18.3163, 56.1832



41.7489, 18.3163, 19.2056

Triad

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



37.8659, 18.3163, 56.1832



17.1496, 18.3163, 0.0000



6.2134, 18.3163, 58.8037

Complementary

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



37.8659, 18.3163, 56.1832



23.8678, 47.6184, 8.3153

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.



5.0389, 18.3163, 20.6997



37.8659, 18.3163, 56.1832



9.8260, 18.3163, 0.2419

Square

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



37.8659, 18.3163, 56.1832



27.5219, 18.3163, 0.1428



6.0831, 18.3163, 4.0476



10.1378, 18.3163, 104.9076

Rectangle

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



37.8659, 18.3163, 56.1832



39.7129, 18.3163, 6.8061



6.0831, 18.3163, 4.0476



5.5616, 18.3163, 43.9348

Sweetspot

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



37.8666, 18.3172, 56.1836



74.5672, 60.2230, 98.4081



12.1446, 4.8739, 63.2522



15.4967, 11.9979, 20.8001



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.



37.8666, 18.3172, 56.1836



56.8841, 27.5176, 84.3107



29.5466, 14.9892, 12.3708



12.9188, 12.6190, 15.5125



23.1439, 11.1939, 34.3916



1.4061, 0.6792, 2.1278

Inverse Universe

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



37.8666, 18.3172, 56.1836



56.8841, 27.5176, 84.3107



27.0156, 48.8775, 24.8913



12.9188, 12.6190, 15.5125



23.1439, 11.1939, 34.3916



1.4061, 0.6792, 2.1278

Previews

White Background



This preview shows how the XYZ color 37.8659, 18.3163, 56.1832 looks on a white background.

Color Contrast Check

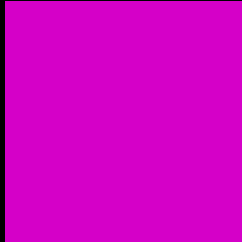
Large Text (above 18pt) WCAG AA ✓ Pass

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 37.8659, 18.3163, 56.1832 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

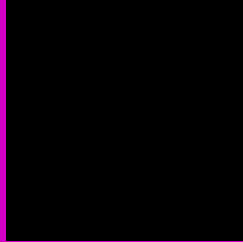
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 37.8659, 18.3163, 56.1832

Background



This preview shows how black text looks on a background with the XYZ color 37.8659, 18.3163, 56.1832.



This preview shows how white text looks on a background with the XYZ color 37.8659, 18.3163,

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

37.8659, 18.3163, 56.1832

Protanopia

22.8799, 19.1446, 89.6782

Deuteranopia

19.5399, 18.9951, 50.2135



Tritanopia

28.4836, 18.6496, 10.4860

Trichromacy



Original Color

37.8659, 18.3163, 56.1832



Protanomaly

19.6522, 12.1325, 75.4348



Deuteranomaly

21.6146, 13.8802, 51.4091



Tritanomaly

30.0833, 16.7667, 21.3894

Monochromacy



Original Color

37.8659, 18.3163, 56.1832



Achromatopsia

9.0590, 9.5307, 10.3790



Achromatomaly

14.9353, 9.2774, 21.4256

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.8659, 18.3163, 56.1832 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(213, 0, 200)` looks like.

```
.text, #text, p{  
    color:rgb(213, 0, 200)  
}
```

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(213, 0, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(213, 0, 200) }
```

Border

The CSS property to change the border of an element to XYZ 37.8659, 18.3163, 56.1832 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(213, 0, 200) }
```


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

```
.border{ border-color:rgb(213, 0, 200) }
```

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

Here you see how a box with a 4 pixel rgb(213, 0, 200) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(213, 0, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(213, 0, 200);  
box-shadow:4px 4px 4px 4px rgb(213, 0,  
200) }
```

Background

The CSS property to change the background color of an element to XYZ 37.8659, 18.3163, 56.1832 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(213, 0, 200) }
```

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

```
.background{ background-color: rgb(213, 0,  
200) }
```

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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