

Converting Colors

XYZ(37.1204, 20.2356, 64.1812)

Have a look what the booklet for
XYZ(37.1204, 20.2356, 64.1812)
contains.

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Color

**XYZ(37.1056, 20.2331,
64.2370)**

Conversions

Conversions Part 1

Format	Color
Hex	C73DD4
RGB	199, 61, 212
RGB Percent	78%, 24%, 83%
CMY	0.2196, 0.7608, 0.1686
CMYK	0.06, 0.71, 0.00, 0.17
HSL	295°, 64%, 54%
HSV	295°, 71%, 83%
XYZ	37.1056, 20.2331, 64.2370
YIQ	119.4760, 33.7770, 76.2170

Conversions

Conversions Part 2

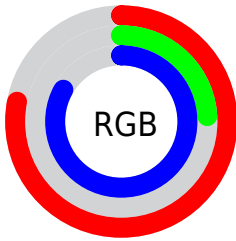
Format	Color
RYB	199, 61, 212
Decimal	13057492
CIELab	52.10, 71.90, -50.33
CIELCh	52, 87.760, 325.008
Yxy	20.2331, 0.3052, 0.1664
Android (android.graphics.Color)	4291247572 (0xFFC73DD4)
YUV	119.4760, 45.6143, 69.7425
Hunter-Lab	44.9812, 68.5299, -53.1843

Details

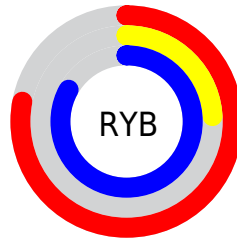
The XYZ color **37.1056, 20.2331, 64.2370** is a light color, and the websafe version is hex **CC33CC**. The color can be described as light muted magenta. A complement of this color would be **27.2105, 48.8802, 12.4165**, and the grayscale version is **17.5389, 18.4523, 20.0945**.

A 20% lighter version of the original color is **66.1274, 42.1547, 99.2591**, and **17.0703, 8.0970, 32.5615** is the 20% darker color. If you saturate the color by 10%, you get **35.7082, 18.1522, 63.9093**, and if you desaturate by 10%, it is **38.9574, 23.2128, 64.7148**.

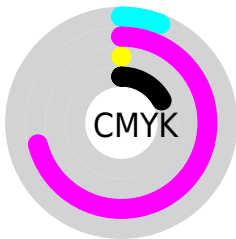
Distribution



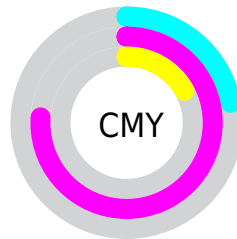
- Red (78%)
- Green (24%)
- Blue (83%)



- Red (78%)
- Yellow (24%)
- Blue (83%)



- Cyan (6%)
- Magenta (71%)
- Yellow (0%)
- Black (17%)





- Cyan (22%)
- Magenta (76%)
- Yellow (17%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.1056, 20.2331, 64.2370 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 37.1056, 20.2331, 64.2370 by changing the saturation by 10% instead.


 37.1056, 20.2331,
64.2370


 37.1056, 20.2331,
64.2370

325.1151,
253.1742, 458.2759


 25.4633, 12.5646,
46.3952


 70.0479, 43.8076,
112.5549

 16.5531, 7.1294,
32.2069


 92.0787, 60.4825,
143.8682


 10.0097, 3.5432,
21.2535


 118.3030, 80.9282,
180.5090

 5.4677, 1.4215,
13.1164

 149.0862,
105.5293, 222.8960

 2.5618, 0.2325,
7.3771

 184.7937,
134.6700, 271.4476

 0.9265, 0.0000,
3.6170

225.7907,

 0.0000, 0.0000,

168.7348, 326.5825

1.4177

272.4427,
208.1081, 388.7191

■ 0.0000, 0.0000,
0.1554

■ 0.0000, 0.0000,
0.0000

■ 37.1056, 20.2331,
64.2370

■ 37.1056, 20.2331,
64.2370

■ 35.7082, 18.1522,
63.9093

■ 38.9574, 23.2128,
64.7148

■ 34.7066, 16.8550,
63.7117

■ 41.3084, 27.1827,
65.3572

■ 34.0677, 16.1897,
63.6170

■ 44.2004, 32.2261,
66.1783

■ 47.6703, 38.4167,
67.1903

51.7518, 45.8216,
68.4044

56.4758, 54.5029,
69.8311

61.8712, 64.5182,
71.4799

67.9652, 75.9218,
73.3598

74.7834, 88.7648,
75.4794

Harmonies

Analogous

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



27.4833, 20.2331, 103.9712



37.1056, 20.2331, 64.2370



42.0407, 20.2331, 26.6147

Triad

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



37.1056, 20.2331, 64.2370



20.7713, 20.2331, 0.1678



7.4520, 20.2331, 50.2077

Complementary

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



37.1056, 20.2331, 64.2370



27.2105, 48.8802, 12.4165

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.



6.6573, 20.2331, 18.0053



37.1056, 20.2331, 64.2370



12.8218, 20.2331, 0.7197

Square

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



37.1056, 20.2331, 64.2370



30.9155, 20.2331, 1.2835



8.2786, 20.2331, 4.1093



10.9383, 20.2331, 92.3395

Rectangle

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



37.1056, 20.2331, 64.2370



41.1660, 20.2331, 11.5544



8.2786, 20.2331, 4.1093



6.9185, 20.2331, 37.4584

Sweetspot

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



37.1064, 20.2340, 64.2374



78.6060, 69.5995, 103.8988



16.4003, 10.9293, 63.5328



16.4340, 14.1845, 22.1217



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.



37.1064, 20.2340, 64.2374



53.4564, 26.5135, 96.9079



34.4556, 19.5893, 31.5006



12.8427, 12.5758, 15.6880



21.0742, 10.0166, 39.2758



1.3028, 0.6205, 2.3704

Inverse Universe

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



30.0568, 17.8298, 8.3368



42.6774, 22.9568, 6.0408



28.9445, 49.4699, 26.2424



12.4662, 12.4380, 13.1294



16.8461, 8.6748, 1.2276



1.0314, 0.5294, 0.1550

Previews

White Background



This preview shows how the XYZ color 37.1056, 20.2331, 64.2370 looks on a white background.

Color Contrast Check

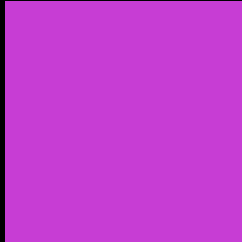
Large Text (above 18pt) WCAG AA ✓ Pass

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 37.1056, 20.2331, 64.2370 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

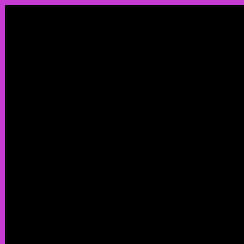
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 37.1056, 20.2331, 64.2370

Background



This preview shows how black text looks on a background with the XYZ color 37.1056, 20.2331, 64.2370.

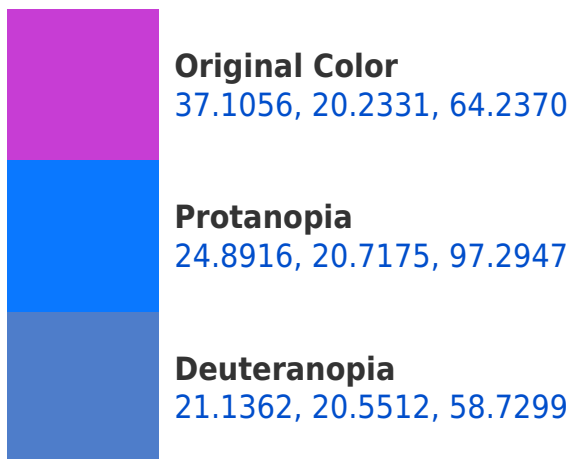


This preview shows how white text looks on a background with the XYZ color 37.1056, 20.2331,

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





Tritanopia

27.1672, 20.1944, 15.8306

Trichromacy



Original Color

37.1056, 20.2331, 64.2370



Protanomaly

23.2663, 16.8179, 83.6813



Deuteranomaly

23.9180, 18.0965, 60.6249



Tritanomaly

29.7684, 19.5870, 28.5973

Monochromacy



Original Color

37.1056, 20.2331, 64.2370



Achromatopsia

17.5343, 18.4475, 20.0893



Achromatomaly

22.3302, 17.3312, 32.3053

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.1056, 20.2331, 64.2370 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(199, 61, 212)` looks like.

```
.text, #text, p{  
    color:rgb(199, 61, 212)  
}
```

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(199, 61, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 61, 212) }
```

Border

The CSS property to change the border of an element to XYZ 37.1056, 20.2331, 64.2370 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(199, 61, 212) }
```


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

```
.border{ border-color:rgb(199, 61, 212) }
```

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

Here you see how a box with a 4 pixel rgb(199, 61, 212) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 61, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 61, 212);  
box-shadow:4px 4px 4px 4px rgb(199, 61,  
212) }
```

Background

The CSS property to change the background color of an element to XYZ 37.1056, 20.2331, 64.2370 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 61, 212) }
```

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

```
.background{ background-color: rgb(199, 61,  
212) }
```

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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