

Converting Colors

XYZ(34.8052, 17.5049, 62.7290)

Have a look what the booklet for
XYZ(34.8052, 17.5049, 62.7290)
contains.

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Color

**XYZ(34.7396, 17.4573,
62.5114)**

Conversions

Conversions Part 1

Format	Color
Hex	C323D2
RGB	195, 35, 210
RGB Percent	76%, 14%, 82%
CMY	0.2353, 0.8627, 0.1765
CMYK	0.07, 0.83, 0.00, 0.18
HSL	295°, 71%, 48%
HSV	295°, 83%, 82%
XYZ	34.7396, 17.4573, 62.5114
YIQ	102.7900, 39.1850, 88.3450

Conversions

Conversions Part 2

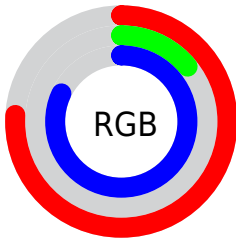
Format	Color
R_{YB}	195, 35, 210
Decimal	12788690
CIE Lab	48.83, 78.05, -54.45
CIE LCh	49, 95.162, 325.099
Yxy	17.4573, 0.3029, 0.1522
Android (android.graphics.Color)	4290978770 (0xFFC323D2)
YUV	102.7900, 52.8545, 80.8682
Hunter-Lab	41.7819, 75.2955, -59.4585

Details

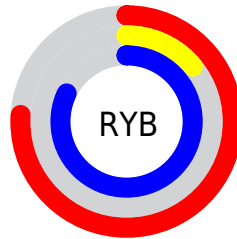
The XYZ color **34.7396, 17.4573, 62.5114** is a light color, and the websafe version is hex **CC00CC**. The color can be described as light washed magenta. A complement of this color would be **24.6659, 46.8931, 9.3420**, and the grayscale version is **12.6960, 13.3572, 14.5460**.

A 20% lighter version of the original color is **64.1402, 38.1805, 98.5967**, and **16.0697, 7.6008, 31.6305** is the 20% darker color. If you saturate the color by 10%, you get **33.8339, 16.3315, 62.3421**, and if you desaturate by 10%, it is **36.0216, 19.3259, 62.8048**.

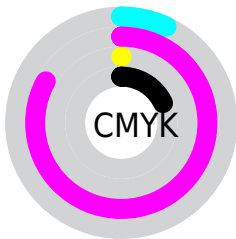
Distribution



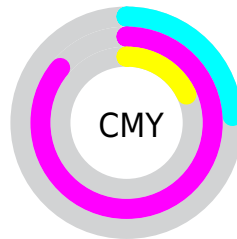
- Red (76%)
- Green (14%)
- Blue (82%)



- Red (76%)
- Yellow (14%)
- Blue (82%)



- Cyan (7%)
- Magenta (83%)
- Yellow (0%)
- Black (18%)





- Cyan (24%)
- Magenta (86%)
- Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 34.7396, 17.4573, 62.5114 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 34.7396, 17.4573, 62.5114 by changing the saturation by 10% instead.


 34.7396, 17.4573,
62.5114


 34.7396, 17.4573,
62.5114


314.9456,
237.7941, 451.8531


 23.6279, 10.5611,
45.0076


 66.4189, 39.1104,
110.0431

 15.1811, 5.7725,
31.1204


 87.7171, 54.6360,
140.9080

 9.0337, 2.7073,
20.4313


 113.1417, 73.8069,
177.0637

 4.8205, 0.9809,
12.5218

 143.0578, 97.0075,
218.9288

 2.1760, 0.0000,
6.9732

 177.8310,
124.6220, 266.9217

 0.7300, 0.0000,
3.3672

 217.8264,

 0.0000, 0.0000,

157.0351, 321.4610

1.2850

263.4095,
194.6310, 382.9653

■ 0.0000, 0.0000,
0.0495

■ 0.0000, 0.0000,
0.0000

■ 34.7396, 17.4573,
62.5114

■ 34.7396, 17.4573,
62.5114

■ 33.8339, 16.3315,
62.3421

■ 36.0216, 19.3259,
62.8048

■ 33.3715, 15.8598,
62.2754

■ 37.7350, 22.0498,
63.2402

■ 39.9282, 25.7249,
63.8340

■ 42.6424, 30.4335,
64.5998

45.9145, 36.2494,
65.5499

49.7778, 43.2393,
66.6955

54.2631, 51.4648,
68.0468

59.3991, 60.9831,
69.6133

65.2125, 71.8478,
71.4040

Harmonies

Analogous

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



24.8720, 17.4573, 105.5752



34.7396, 17.4573, 62.5114



39.8606, 17.4573, 23.4642

Triad

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



34.7396, 17.4573, 62.5114



18.0833, 17.4573, 0.0000



5.4892, 17.4573, 47.9336

Complementary

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



34.7396, 17.4573, 62.5114



24.6659, 46.8931, 9.3420

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.



4.7856, 17.4573, 15.1551



34.7396, 17.4573, 62.5114



10.3907, 17.4573, 0.0000

Square

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



34.7396, 17.4573, 62.5114



28.3039, 17.4573, 0.4296



6.2115, 17.4573, 2.5647



8.6609, 17.4573, 93.0952

Rectangle

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



34.7396, 17.4573, 62.5114



38.9293, 17.4573, 8.9589



6.2115, 17.4573, 2.5647



5.0177, 17.4573, 34.6664

Sweetspot

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



34.7403, 17.4581, 62.5118



75.9936, 64.8291, 103.1157



13.5771, 7.5122, 61.7074



15.8009, 13.0334, 21.9329



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.



34.7403, 17.4581, 62.5118



51.7013, 24.5679, 96.6249



31.9136, 16.7978, 26.3726



12.2067, 11.9554, 14.9079



20.3985, 9.6961, 37.9889



1.1706, 0.5576, 2.1255

Inverse Universe

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



27.7556, 15.1346, 4.4768



41.3834, 21.3174, 2.6853



26.2902, 47.4709, 21.1432



11.8493, 11.8245, 12.4822



16.2946, 8.3907, 1.1915



0.9257, 0.4750, 0.1433

Previews

White Background



This preview shows how the XYZ color 34.7396, 17.4573, 62.5114 looks on a white background.

Color Contrast Check

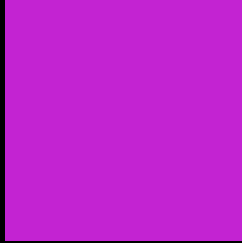
Large Text (above 18pt) WCAG AA ✓ Pass

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 34.7396, 17.4573, 62.5114 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

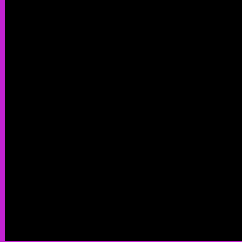
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 34.7396, 17.4573, 62.5114

Background



This preview shows how black text looks on a background with the XYZ color 34.7396, 17.4573, 62.5114.



This preview shows how white text looks on a background with the XYZ color 34.7396, 17.4573,

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

34.7396, 17.4573, 62.5114

Protanopia

21.3377, 17.9833, 83.2354

Deuteranopia

18.4164, 17.9336, 55.9170



Tritanopia

24.4400, 17.4305, 12.4322

Trichromacy



Original Color

34.7396, 17.4573, 62.5114



Protanomaly

19.8506, 13.4380, 74.9463



Deuteranomaly

20.3347, 14.4319, 57.5910



Tritanomaly

26.7608, 16.3509, 25.0381

Monochromacy



Original Color

34.7396, 17.4573, 62.5114



Achromatopsia

12.8919, 13.5633, 14.7705



Achromatomaly

17.7602, 12.6360, 27.0941

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.7396, 17.4573, 62.5114 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(195, 35, 210)` looks like.

```
.text, #text, p{  
    color:rgb(195, 35, 210)  
}
```

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(195, 35, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(195, 35, 210) }
```

Border

The CSS property to change the border of an element to XYZ 34.7396, 17.4573, 62.5114 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(195, 35, 210) }
```


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

```
.border{ border-color:rgb(195, 35, 210) }
```

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

Here you see how a box with a 4 pixel rgb(195, 35, 210) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(195, 35, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(195, 35, 210);  
box-shadow:4px 4px 4px 4px rgb(195, 35,  
210) }
```

Background

The CSS property to change the background color of an element to XYZ 34.7396, 17.4573, 62.5114 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(195, 35, 210) }
```

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

```
.background{ background-color: rgb(195, 35,  
210) }
```

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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