

Converting Colors

XYZ(34.8631, 17.4057, 61.8183)

Have a look what the booklet for
XYZ(34.8631, 17.4057, 61.8183)
contains.

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Color

**XYZ(34.7901, 17.3722,
61.8411)**

Conversions

Conversions Part 1

Format	Color
Hex	C420D1
RGB	196, 32, 209
RGB Percent	77%, 13%, 82%
CMY	0.2314, 0.8745, 0.1804
CMYK	0.06, 0.85, 0.00, 0.18
HSL	296°, 73%, 47%
HSV	296°, 85%, 82%
XYZ	34.7901, 17.3722, 61.8411
YIQ	101.2140, 40.9270, 89.8150

Conversions

Conversions Part 2

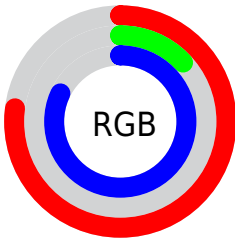
Format	Color
R_{YB}	196, 32, 209
Decimal	12853457
CIE _{Lab}	48.73, 78.67, -54.03
CIE _{LCh}	49, 95.442, 325.519
Yxy	17.3722, 0.3052, 0.1524
Android (android.graphics.Color)	4291043537 (0xFFC420D1)
YUV	101.2140, 53.1385, 83.1273
Hunter-Lab	41.6800, 76.0533, -58.7933

Details

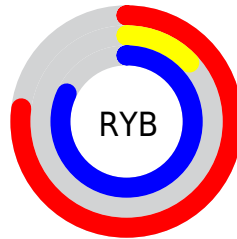
The XYZ color **34.7901, 17.3722, 61.8411** is a light color, and the websafe version is hex **CC00CC**. The color can be described as light washed magenta. A complement of this color would be **24.1439, 46.2635, 9.0244**, and the grayscale version is **12.2860, 12.9258, 14.0762**.

A 20% lighter version of the original color is **64.0414, 37.9827, 98.5638**, and **16.1493, 7.6515, 31.1976** is the 20% darker color. If you saturate the color by 10%, you get **33.9977, 16.3765, 61.6909**, and if you desaturate by 10%, it is **35.9444, 19.0843, 62.1110**.

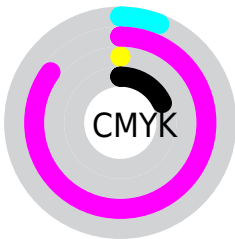
Distribution



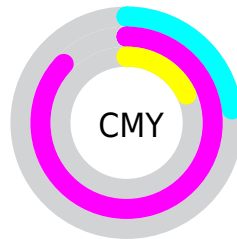
- Red (77%)
- Green (13%)
- Blue (82%)



- Red (77%)
- Yellow (13%)
- Blue (82%)



- Cyan (6%)
- Magenta (85%)
- Yellow (0%)
- Black (18%)





- Cyan (23%)
- Magenta (87%)
- Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 34.7901, 17.3722, 61.8411 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 34.7901, 17.3722, 61.8411 by changing the saturation by 10% instead.


 34.7901, 17.3722,
61.8411


 34.7901, 17.3722,
61.8411


315.1651,
237.3082, 449.3429


 23.6670, 10.5002,
44.4694


 66.4966, 38.9646,
109.0652


 15.2102, 5.7319,
30.6998


 87.8108, 54.4538,
139.7547

 9.0543, 2.6827,
20.1138


 113.2526, 73.5843,
175.7204

 4.8340, 0.9684,
12.2929

 143.1876, 96.7403,
217.3810

 2.1840, 0.0000,
6.8185

 177.9809,
124.3063, 265.1551

 0.7343, 0.0000,
3.2721

 217.9981,

 0.0000, 0.0000,

156.6667, 319.4610

1.2352

263.6044,
194.2059, 380.7174

■ 0.0000, 0.0000,
0.0078

■ 0.0000, 0.0000,
0.0000

■ 34.7901, 17.3722,
61.8411

■ 34.7901, 17.3722,
61.8411

■ 33.9977, 16.3765,
61.6909

■ 35.9444, 19.0843,
62.1110

■ 33.6673, 16.0267,
61.6408

■ 37.5169, 21.6275,
62.5190

■ 39.5565, 25.0986,
63.0815

■ 42.1045, 29.5806,
63.8123

■ 45.1979, 35.1472,
64.7237

■ 48.8702, 41.8653,
65.8269

■ 53.1519, 49.7963,
67.1321

■ 58.0718, 58.9973,
68.6487

■ 63.6566, 69.5219,
70.3858

Harmonies

Analogous

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



24.9411, 17.3722, 105.2127



34.7901, 17.3722, 61.8411



39.8229, 17.3722, 22.9659

Triad

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



34.7901, 17.3722, 61.8411



17.8714, 17.3722, 0.0000



5.4544, 17.3722, 48.4735

Complementary

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



34.7901, 17.3722, 61.8411



24.1439, 46.2635, 9.0244

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.



4.7243, 17.3722, 15.3715



34.7901, 17.3722, 61.8411



10.2343, 17.3722, 0.0000

Square

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



34.7901, 17.3722, 61.8411



28.0834, 17.3722, 0.3730



6.1118, 17.3722, 2.5960



8.6562, 17.3722, 93.7530

Rectangle

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



34.7901, 17.3722, 61.8411



38.8135, 17.3722, 8.6749



6.1118, 17.3722, 2.5960



4.9744, 17.3722, 35.0988

Sweetspot

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



34.7908, 17.3730, 61.8415



76.2738, 64.9736, 103.1288



13.1115, 6.9244, 60.9673



15.8690, 13.0686, 21.9360



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.



34.7908, 17.3730, 61.8415



52.7326, 25.0995, 96.6731



31.2024, 16.3453, 24.5259



12.2215, 11.9630, 14.9086



20.7945, 9.9003, 38.0074



1.1889, 0.5670, 2.1264

Inverse Universe

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



27.2851, 14.7784, 3.8978



41.3552, 21.3061, 2.5368



25.9853, 46.9438, 21.2605



11.8435, 11.8221, 12.4515



16.2810, 8.3852, 1.1199



0.9229, 0.4739, 0.1289

Previews

White Background



This preview shows how the XYZ color 34.7901, 17.3722, 61.8411 looks on a white background.

Color Contrast Check

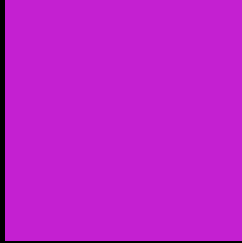
Large Text (above 18pt) WCAG AA ✓ Pass

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 34.7901, 17.3722, 61.8411 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

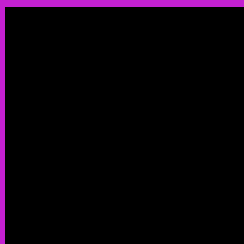
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 34.7901, 17.3722, 61.8411

Background



This preview shows how black text looks on a background with the XYZ color 34.7901, 17.3722, 61.8411.



This preview shows how white text looks on a background with the XYZ color 34.7901, 17.3722,

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

34.7901, 17.3722, 61.8411

Protanopia

21.2268, 17.7614, 83.1984

Deuteranopia

18.3601, 17.9179, 55.3141



Tritanopia

24.5510, 17.3734, 12.1846

Trichromacy



Original Color

34.7901, 17.3722, 61.8411



Protanomaly

19.5569, 13.0722, 74.1655



Deuteranomaly

20.2575, 14.2846, 56.9479



Tritanomaly

26.8149, 16.2105, 24.6373

Monochromacy



Original Color

34.7901, 17.3722, 61.8411



Achromatopsia

12.3695, 13.0136, 14.1719



Achromatomaly

17.4714, 12.2966, 26.2636

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.7901, 17.3722, 61.8411 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(196, 32, 209)` looks like.

```
.text, #text, p{  
    color:rgb(196, 32, 209)  
}
```

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(196, 32, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 32, 209) }
```

Border

The CSS property to change the border of an element to XYZ 34.7901, 17.3722, 61.8411 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(196, 32, 209) }
```


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

```
.border{ border-color:rgb(196, 32, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 32, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 32, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 32, 209);  
box-shadow:4px 4px 4px 4px rgb(196, 32,  
209) }
```

Background

The CSS property to change the background color of an element to XYZ 34.7901, 17.3722, 61.8411 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 32, 209) }
```

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

```
.background{ background-color: rgb(196, 32,  
209) }
```

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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