

Converting Colors

XYZ(35.1256, 17.6856, 53.9859)

Have a look what the booklet for
XYZ(35.1256, 17.6856, 53.9859)
contains.

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Color

**XYZ(35.0824, 17.6620,
53.7846)**

Conversions

Conversions Part 1

Format	Color
Hex	CB1FC4
RGB	203, 31, 196
RGB Percent	80%, 12%, 77%
CMY	0.2039, 0.8784, 0.2314
CMYK	0.00, 0.85, 0.03, 0.20
HSL	302°, 73%, 46%
HSV	302°, 85%, 80%
XYZ	35.0824, 17.6620, 53.7846
YIQ	101.2380, 49.5470, 87.7790

Conversions

Conversions Part 2

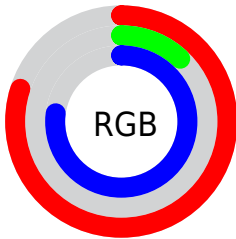
Format	Color
RYB	203, 31, 196
Decimal	13311940
CIELab	49.08, 78.13, -45.89
CIELCh	49, 90.609, 329.574
Yxy	17.6620, 0.3293, 0.1658
Android (android.graphics.Color)	4291502020 (0xFFCB1FC4)
YUV	101.2380, 46.7177, 89.2453
Hunter-Lab	42.0262, 75.4615, -46.4603

Details

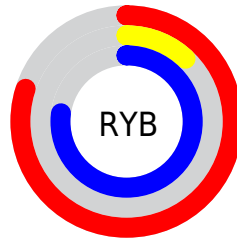
The XYZ color **35.0824, 17.6620, 53.7846** is a dark color, and the websafe version is hex **CC33CC**. The color can be described as middle washed magenta. A complement of this color would be **22.2717, 43.1440, 8.9886**, and the grayscale version is **12.3070, 12.9479, 14.1003**.

A 20% lighter version of the original color is **63.7210, 37.8546, 96.8767**, and **16.3093, 7.8524, 25.8554** is the 20% darker color. If you saturate the color by 10%, you get **34.6154, 16.8775, 53.1662**, and if you desaturate by 10%, it is **35.8847, 19.1150, 54.5175**.

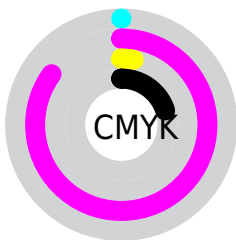
Distribution



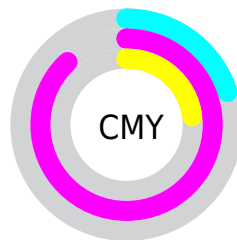
- Red (80%)
- Green (12%)
- Blue (77%)



- Red (80%)
- Yellow (12%)
- Blue (77%)



- Cyan (0%)
- Magenta (85%)
- Yellow (3%)
- Black (20%)





- Cyan (20%)
- Magenta (88%)
- Yellow (23%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 35.0824, 17.6620, 53.7846 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 35.0824, 17.6620, 53.7846 by changing the saturation by 10% instead.

 35.0824, 17.6620,
53.7846


 35.0824, 17.6620,
53.7846


316.4335,
238.9589, 418.4395


 23.8932, 10.7076,
38.0375


 66.9466, 39.4605,
97.2111

 15.3787, 5.8706,
25.7097


 88.3522, 55.0735,
125.7276

 9.1736, 2.7665,
16.3828


 113.8941, 74.3413,
159.3376

 4.9126, 1.0111,
9.6381

 143.9375, 97.6486,
198.4597

 2.2303, 0.0000,
5.0573

 178.8478,
125.3795, 243.5123

 0.7586, 0.0000,
2.2216

 218.9903,

 0.0000, 0.0000,

157.9187, 294.9142

0.6868

264.7304,
195.6503, 353.0837

■ 0.0000, 0.0000,
0.0000

■ 35.0824, 17.6620,
53.7846

■ 35.0824, 17.6620,
53.7846

■ 34.6154, 16.8775,
53.1662

■ 35.8847, 19.1150,
54.5175

■ 34.4497, 16.6250,
52.8678

■ 37.0744, 21.3427,
55.3820

■ 38.6970, 24.4352,
56.3933

■ 40.7910, 28.4698,
57.5644

■ 43.3907, 33.5150,
58.9066

■ 46.5273, 39.6331,
60.4303

■ 50.2294, 46.8813,
62.1451

■ 54.5236, 55.3129,
64.0599

■ 59.4347, 64.9775,
66.1829

Harmonies

Analogous

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



26.1632, 17.6620, 94.8605



35.0824, 17.6620, 53.7846



38.8721, 17.6620, 19.5791

Triad

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



35.0824, 17.6620, 53.7846



16.9083, 17.6620, 0.0000



6.2421, 17.6620, 52.6035

Complementary

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



35.0824, 17.6620, 53.7846



22.2717, 43.1440, 8.9886

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.



5.2094, 17.6620, 18.8869



35.0824, 17.6620, 53.7846



9.9708, 17.6620, 0.4071

Square

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



35.0824, 17.6620, 53.7846



26.4456, 17.6620, 0.4542



6.3048, 17.6620, 3.9714



9.8236, 17.6620, 93.8612

Rectangle

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



35.0824, 17.6620, 53.7846



37.2505, 17.6620, 7.4650



6.3048, 17.6620, 3.9714



5.6520, 17.6620, 39.4413

Sweetspot

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



35.0831, 17.6628, 53.7849



77.5603, 65.6847, 101.0229



12.0238, 5.6811, 56.9635



16.1825, 13.2418, 21.4224



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.



35.0831, 17.6628, 53.7849



57.6635, 27.8294, 88.4149



28.0036, 14.8310, 16.5048



11.6671, 11.3956, 14.0473



21.9318, 10.5833, 33.6891



1.1377, 0.5485, 1.7710

Inverse Universe

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



35.0831, 17.6628, 53.7849



57.6635, 27.8294, 88.4149



25.4805, 44.4275, 25.8860



11.6671, 11.3956, 14.0473



21.9318, 10.5833, 33.6891



1.1377, 0.5485, 1.7710

Previews

White Background



This preview shows how the XYZ color 35.0824, 17.6620, 53.7846 looks on a white background.

Color Contrast Check

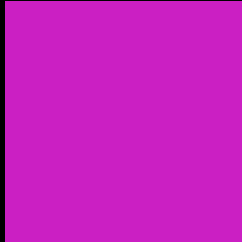
Large Text (above 18pt) WCAG AA ✓ Pass

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 35.0824, 17.6620, 53.7846 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

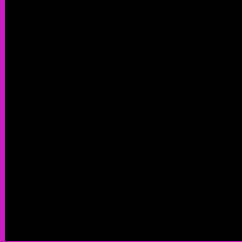
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 35.0824, 17.6620, 53.7846

Background



This preview shows how black text looks on a background with the XYZ color 35.0824, 17.6620, 53.7846.



This preview shows how white text looks on a background with the XYZ color 35.0824, 17.6620,

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

35.0824, 17.6620, 53.7846

Deuteranopia

18.5116, 17.9747, 48.3927

Tritanopia

26.1080, 17.6331, 10.8316

Trichromacy



Original Color

35.0824, 17.6620, 53.7846



Deuteranomaly

20.9705, 14.6897, 49.8742



Tritanomaly

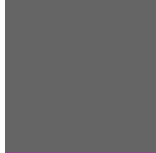
28.0491, 16.6635, 21.4767

Monochromacy



Original Color

35.0824, 17.6620, 53.7846



Achromatopsia

12.3695, 13.0136, 14.1719



Achromatomaly

17.5096, 12.3497, 24.7534

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.0824, 17.6620, 53.7846 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(203, 31, 196)` looks like.

```
.text, #text, p{  
    color:rgb(203, 31, 196)  
}
```

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(203, 31, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 31, 196) }
```

Border

The CSS property to change the border of an element to XYZ 35.0824, 17.6620, 53.7846 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(203, 31, 196) }
```

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

```
.border{ border-color:rgb(203, 31, 196) }
```

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

Here you see how a box with a 4 pixel rgb(203, 31, 196) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 31, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 31, 196);  
box-shadow:4px 4px 4px 4px rgb(203, 31,  
196) }
```


Background

The CSS property to change the background color of an element to XYZ 35.0824, 17.6620, 53.7846 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 31, 196) }
```

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

```
.background{ background-color: rgb(203, 31,  
196) }
```

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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