

Converting Colors

XYZ(34.0175, 17.5696, 62.7208)

Have a look what the booklet for
XYZ(34.0175, 17.5696, 62.7208)
contains.

XYZ(34.0571, 17.6063, 62.5761)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(34.0571, 17.6063,
62.5761)**

Conversions

Conversions Part 1

Format	Color
Hex	BF2DD2
RGB	191, 45, 210
RGB Percent	75%, 18%, 82%
CMY	0.2510, 0.8235, 0.1765
CMYK	0.09, 0.79, 0.00, 0.18
HSL	293°, 65%, 50%
HSV	293°, 79%, 82%
XYZ	34.0571, 17.6063, 62.5761
YIQ	107.4640, 34.0510, 82.2670

Conversions

Conversions Part 2

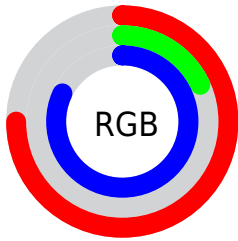
Format	Color
R_{YB}	191, 45, 210
Decimal	12529106
CIE _{Lab}	49.02, 74.90, -54.19
CIE _{LCh}	49, 92.444, 324.115
Yxy	17.6063, 0.2981, 0.1541
Android (android.graphics.Color)	4290719186 (0xFFBF2DD2)
YUV	107.4640, 50.5502, 73.2611
Hunter-Lab	41.9599, 71.4514, -59.0492

Details

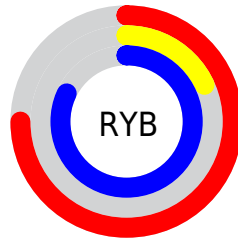
The XYZ color **34.0571, 17.6063, 62.5761** is a dark color, and the websafe version is hex **CC33CC**. The color can be described as middle washed purple. A complement of this color would be **25.6352, 47.3731, 10.2761**, and the grayscale version is **13.9624, 14.6895, 15.9969**.

A 20% lighter version of the original color is **63.1962, 38.4544, 98.6994**, and **15.5893, 7.3531, 31.6080** is the 20% darker color. If you saturate the color by 10%, you get **32.8428, 16.0724, 62.3443**, and if you desaturate by 10%, it is **35.6810, 19.9431, 62.9418**.

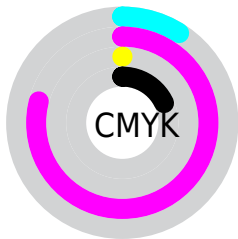
Distribution



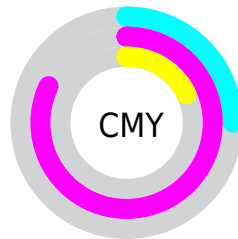
- Red (75%)
- Green (18%)
- Blue (82%)



- Red (75%)
- Yellow (18%)
- Blue (82%)



- Cyan (9%)
- Magenta (79%)
- Yellow (0%)
- Black (18%)





- Cyan (25%)
- Magenta (82%)
- Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 34.0571, 17.6063, 62.5761 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 34.0571, 17.6063, 62.5761 by changing the saturation by 10% instead.


 34.0571, 17.6063,
62.5761

 34.0571, 17.6063,
62.5761


311.9680,
238.6425, 452.0950


 23.1006, 10.6677,
45.0596

 65.3662, 39.3653,
110.1374


 14.7889, 5.8439,
31.1611


 86.4494, 54.9545,
141.0192


 8.7567, 2.7504,
20.4620


 111.6389, 74.1961,
177.1932

 4.6387, 1.0028,
12.5439

 141.3000, 97.4743,
219.0780

 2.0694, 0.0000,
6.9882

 175.7982,
125.1737, 267.0920

 0.6725, 0.0000,
3.3764

215.4986,

 0.0000, 0.0000,

157.6786, 321.6538

1.2899

260.7668,
195.3734, 383.1819

■ 0.0000, 0.0000,
0.0535

■ 0.0000, 0.0000,
0.0000

■ 34.0571, 17.6063,
62.5761

■ 34.0571, 17.6063,
62.5761

■ 32.8428, 16.0724,
62.3443

■ 35.6810, 19.9431,
62.9418

■ 31.9555, 15.1783,
62.2185

■ 37.7645, 23.1848,
63.4577

■ 31.8387, 15.0696,
62.2037

■ 40.3525, 27.4204,
64.1389

■ 43.4840, 32.7280,
64.9983

47.1942, 39.1777,
66.0477

51.5151, 46.8336,
67.2977

56.4765, 55.7552,
68.7582

62.1062, 65.9980,
70.4386

68.4302, 77.6140,
72.3474

Harmonies

Analogous

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



24.4533, 17.6063, 103.2208



34.0571, 17.6063, 62.5761



39.2046, 17.6063, 24.4564

Triad

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



34.0571, 17.6063, 62.5761



18.4905, 17.6063, 0.0000



5.7131, 17.6063, 45.8104

Complementary

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



34.0571, 17.6063, 62.5761



25.6352, 47.3731, 10.2761

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.



5.0751, 17.6063, 14.7067



34.0571, 17.6063, 62.5761



10.8391, 17.6063, 0.0093

Square

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



34.0571, 17.6063, 62.5761



28.4396, 17.6063, 0.6720



6.5834, 17.6063, 2.6429



8.7830, 17.6063, 88.9900

Rectangle

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



34.0571, 17.6063, 62.5761



38.4811, 17.6063, 9.7743



6.5834, 17.6063, 2.6429



5.2637, 17.6063, 33.2184

Sweetspot

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



34.0578, 17.6071, 62.5765



75.9920, 65.6625, 103.2766



14.5633, 8.9070, 61.9247



15.7671, 13.1754, 21.9620



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.



34.0578, 17.6071, 62.5765



50.0296, 23.9660, 96.5968



32.7642, 17.6778, 29.1875



12.1712, 11.9371, 14.9063



19.4758, 9.2204, 37.9457



1.1279, 0.5356, 2.1235

Inverse Universe

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



28.4427, 15.9492, 6.4308



41.8493, 21.7839, 4.2750



26.8495, 47.7396, 22.0580



11.8633, 11.8301, 12.5560



16.3332, 8.4061, 1.3949



0.9322, 0.4776, 0.1780

Previews

White Background



This preview shows how the XYZ color 34.0571, 17.6063, 62.5761 looks on a white background.

Color Contrast Check

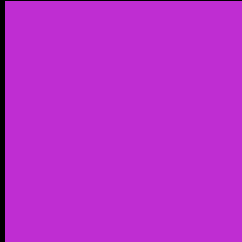
Large Text (above 18pt) WCAG AA ✓ Pass

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 34.0571, 17.6063, 62.5761 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

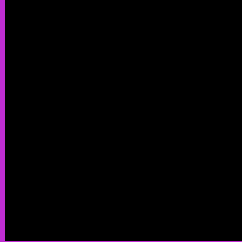
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 34.0571, 17.6063, 62.5761

Background



This preview shows how black text looks on a background with the XYZ color 34.0571, 17.6063, 62.5761.



This preview shows how white text looks on a background with the XYZ color 34.0571, 17.6063,

62.5761.

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

34.0571, 17.6063, 62.5761

Protanopia

21.4851, 18.0422, 84.0115

Deuteranopia

18.5322, 17.9799, 56.5266



Tritanopia

23.9453, 17.5225, 13.4294

Trichromacy



Original Color

34.0571, 17.6063, 62.5761



Protanomaly

19.9476, 13.8461, 75.0200



Deuteranomaly

20.4644, 14.8581, 58.2892



Tritanomaly

26.3276, 16.6776, 25.8762

Monochromacy



Original Color

34.0571, 17.6063, 62.5761



Achromatopsia

13.9749, 14.7027, 16.0113



Achromatomaly

18.6856, 13.7575, 28.0562

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.0571, 17.6063, 62.5761 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(191, 45, 210)` looks like.

```
.text, #text, p{  
    color:rgb(191, 45, 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(191, 45, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 45, 210) }
```

Border

The CSS property to change the border of an element to XYZ 34.0571, 17.6063, 62.5761 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(191, 45, 210) }
```


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

```
.border{ border-color:rgb(191, 45, 210) }
```

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

Here you see how a box with a 4 pixel `rgb(191, 45, 210)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 45, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 45, 210);  
box-shadow:4px 4px 4px 4px rgb(191, 45,  
210) }
```

Background

The CSS property to change the background color of an element to XYZ 34.0571, 17.6063, 62.5761 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 45, 210) }
```

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

```
.background{ background-color: rgb(191, 45,  
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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