

Converting Colors

XYZ(33.8060, 20.4158, 52.4671)

Have a look what the booklet for
XYZ(33.8060, 20.4158, 52.4671)
contains.

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Color

**XYZ(33.9075, 20.5186,
52.6254)**

Conversions

Conversions Part 1

Format	Color
Hex	BF4FC1
RGB	191, 79, 193
RGB Percent	75%, 31%, 76%
CMY	0.2510, 0.6902, 0.2431
CMYK	0.01, 0.59, 0.00, 0.24
HSL	299°, 48%, 53%
HSV	299°, 59%, 76%
XYZ	33.9075, 20.5186, 52.6254
YIQ	125.4840, 30.1580, 59.1980

Conversions

Conversions Part 2

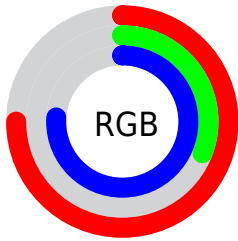
Format	Color
RYB	191, 79, 193
Decimal	12537793
CIELab	52.42, 59.71, -38.99
CIElCh	52, 71.311, 326.853
Yxy	20.5186, 0.3167, 0.1917
Android (android.graphics.Color)	4290727873 (0xFFBF4FC1)
YUV	125.4840, 33.2854, 57.4575
Hunter-Lab	45.2975, 54.3460, -37.1733

Details

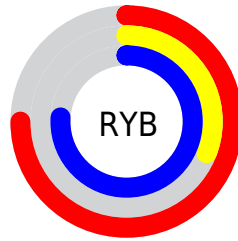
The XYZ color **33.9075, 20.5186, 52.6254** is a light color, and the websafe version is hex **CC66CC**. The color can be described as light muted purple. A complement of this color would be **23.8752, 40.4542, 13.9482**, and the grayscale version is **19.5410, 20.5587, 22.3884**.

A 20% lighter version of the original color is **65.2048, 44.2763, 95.5520**, and **14.6488, 7.2465, 25.0527** is the 20% darker color. If you saturate the color by 10%, you get **32.6273, 18.0839, 52.2232**, and if you desaturate by 10%, it is **35.5934, 23.7633, 53.1631**.

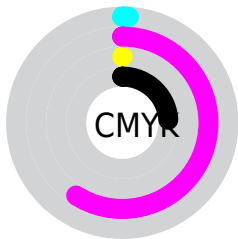
Distribution



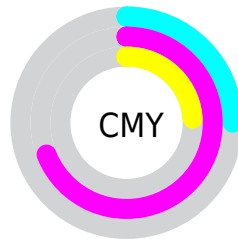
- Red (75%)
- Green (31%)
- Blue (76%)



- Red (75%)
- Yellow (31%)
- Blue (76%)



- Cyan (1%)
- Magenta (59%)
- Yellow (0%)
- Black (24%)



- Cyan (25%)
- Magenta (69%)
- Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.9075, 20.5186, 52.6254 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 33.9075, 20.5186, 52.6254 by changing the saturation by 10% instead.

■ 33.9075, 20.5186,
52.6254

■ 33.9075, 20.5186,
52.6254

311.3126,
254.7089, 413.8717

■ 22.9851, 12.7726,
37.1181

■ 65.1350, 44.2850,
95.4889

■ 14.7031, 7.2721,
25.0025

■ 86.1709, 61.0741,
123.6822

■ 8.6963, 3.6329,
15.8599

■ 111.3086, 81.6464,
156.9412

■ 4.5991, 1.4704,
9.2718

■ 140.9136,
106.3862, 195.6846

■ 2.0463, 0.2677,
4.8196

■ 175.3511,
135.6780, 240.3307

■ 0.6598, 0.0000,
2.0849

214.9865,

■ 0.0000, 0.0000,

169.9061, 291.2983

0.6068

260.1852,
209.4550, 349.0058

■ 0.0000, 0.0000,
0.0000

■ 33.9075, 20.5186,
52.6254

■ 33.9075, 20.5186,
52.6254

■ 32.6273, 18.0839,
52.2232

■ 35.5934, 23.7633,
53.1631

■ 31.7146, 16.3843,
51.9433

■ 37.7146, 27.8789,
53.8457

■ 31.1275, 15.3358,
51.7718

■ 40.3003, 32.9233,
54.6831

■ 30.7926, 14.7913,
51.6844

■ 43.3769, 38.9490,
55.6840

■ 30.7651, 14.7480,
51.6775

■ 46.9685, 46.0045,
56.8566

■ 51.0977, 54.1350,
58.2083

■ 55.7858, 63.3830,
59.7462

■ 61.0530, 73.7888,
61.4771

■ 66.9184, 85.3906,
63.4074

Harmonies

Analogous

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



26.6161, 20.5186, 81.4900



33.9075, 20.5186, 52.6254



37.3135, 20.5186, 24.6402

Triad

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



33.9075, 20.5186, 52.6254



20.2893, 20.5186, 1.3915



9.4076, 20.5186, 46.0953

Complementary

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



33.9075, 20.5186, 52.6254



23.8752, 40.4542, 13.9482

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.



8.5124, 20.5186, 20.1899



33.9075, 20.5186, 52.6254



13.7845, 20.5186, 2.1841

Square

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



33.9075, 20.5186, 52.6254



28.3058, 20.5186, 2.6910



9.8934, 20.5186, 6.7031



12.7444, 20.5186, 76.3322

Rectangle

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



33.9075, 20.5186, 52.6254



36.4172, 20.5186, 12.5331



9.8934, 20.5186, 6.7031



8.8542, 20.5186, 36.2668

Sweetspot

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



33.9083, 20.5195, 52.6258



78.1579, 70.6795, 99.8834



15.9289, 11.6695, 51.8652



16.3959, 14.4343, 21.3072



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



33.9083, 20.5195, 52.6258



57.8708, 31.3275, 93.3570



29.5079, 18.8178, 26.8117



10.4793, 10.2382, 12.7087



20.4699, 9.8130, 34.3718



0.8901, 0.4269, 1.4854

Inverse Universe

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



26.2741, 17.5244, 9.7831



43.0265, 25.5174, 9.4192



26.4737, 41.4741, 28.5127



10.0802, 10.0807, 10.5129



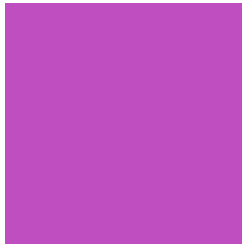
14.6429, 7.5469, 0.7658



0.6352, 0.3271, 0.0463

Previews

White Background



This preview shows how the XYZ color 33.9075, 20.5186, 52.6254 looks on a white background.

Color Contrast Check

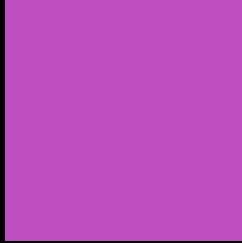
Large Text (above 18pt) WCAG AA ✓ Pass

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 33.9075, 20.5186, 52.6254 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

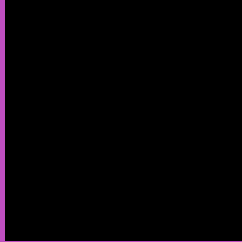
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 33.9075, 20.5186, 52.6254

Background



This preview shows how black text looks on a background with the XYZ color 33.9075, 20.5186, 52.6254.

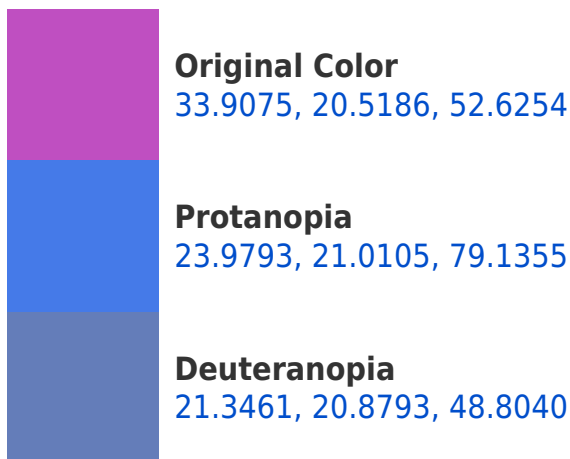


This preview shows how white text looks on a background with the XYZ color 33.9075, 20.5186,

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

26.6219, 20.4523, 17.2964

Trichromacy



Original Color

33.9075, 20.5186, 52.6254



Protanomaly

24.6190, 18.8807, 68.6765



Deuteranomaly

24.1125, 19.3425, 50.0396



Tritanomaly

28.7439, 20.2131, 27.1975

Monochromacy



Original Color

33.9075, 20.5186, 52.6254



Achromatopsia

19.4927, 20.5079, 22.3331



Achromatomaly

23.2620, 19.3167, 31.3566

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.9075, 20.5186, 52.6254 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, 79, 193)` looks like.

```
.text, #text, p{  
    color:rgb(191, 79, 193)  
}
```

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, 79, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 79, 193) }
```

Border

The CSS property to change the border of an element to XYZ 33.9075, 20.5186, 52.6254 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, 79, 193) }
```


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

```
.border{ border-color:rgb(191, 79, 193) }
```

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

Here you see how a box with a 4 pixel `rgb(191, 79, 193)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 79, 193); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 79, 193);  
box-shadow:4px 4px 4px 4px rgb(191, 79,  
193) }
```

Background

The CSS property to change the background color of an element to XYZ 33.9075, 20.5186, 52.6254 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 79, 193) }
```

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

```
.background{ background-color: rgb(191, 79,  
193) }
```

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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