

Converting Colors

XYZ(34.7728, 20.2155, 33.4388)

Have a look what the booklet for
XYZ(34.7728, 20.2155, 33.4388)
contains.

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Color

**XYZ(34.8719, 20.2635,
33.5258)**

Conversions

Conversions Part 1

Format	Color
Hex	D3439C
RGB	211, 67, 156
RGB Percent	83%, 26%, 61%
CMY	0.1725, 0.7372, 0.3882
CMYK	0.00, 0.68, 0.26, 0.17
HSL	323°, 62%, 55%
HSV	323°, 68%, 83%
XYZ	34.8719, 20.2635, 33.5258
YIQ	120.2020, 57.2550, 58.2070

Conversions

Conversions Part 2

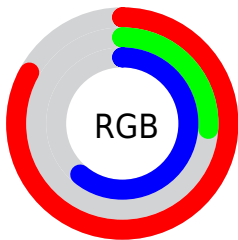
Format	Color
R _Y B	211, 67, 156
Decimal	13845404
CIE Lab	52.13, 64.26, -17.58
CIE LCh	52, 66.626, 344.700
Yxy	20.2635, 0.3933, 0.2285
Android (android.graphics.Color)	4292035484 (0xFFD3439C)
YUV	120.2020, 17.6484, 79.6298
Hunter-Lab	45.0150, 59.5029, -12.6469

Details

The XYZ color **34.8719, 20.2635, 33.5258** is a dark color, and the websafe version is hex **CC3399**. The color can be described as middle muted rose. A complement of this color would be **29.1230, 49.1877, 26.3742**, and the grayscale version is **17.8508, 18.7804, 20.4519**.

A 20% lighter version of the original color is **60.3315, 40.6304, 66.2906**, and **15.4987, 7.6953, 14.0331** is the 20% darker color. If you saturate the color by 10%, you get **33.1781, 17.9320, 29.7050**, and if you desaturate by 10%, it is **37.0690, 23.5287, 37.7381**.

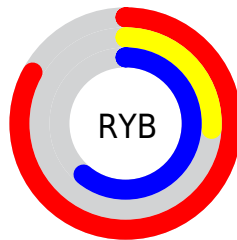
Distribution



Red (83%)

Green (26%)

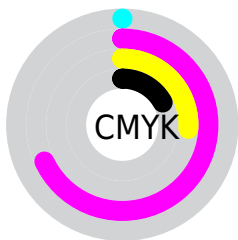
Blue (61%)



Red (83%)

Yellow (26%)

Blue (61%)

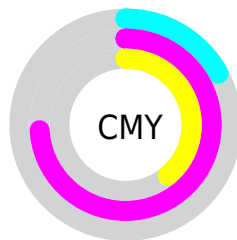


Cyan (0%)

Magenta (68%)

Yellow (26%)

Black (17%)



Cyan (17%)


Magenta (74%)


Yellow (39%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 34.8719, 20.2635, 33.5258 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 34.8719, 20.2635, 33.5258 by changing the saturation by 10% instead.

 34.8719, 20.2635,
33.5258


 34.8719, 20.2635,
33.5258


315.5205,
253.3380, 332.7168


 23.7303, 12.5867,
22.2551


 66.6226, 43.8585,
66.3210


 15.2573, 7.1446,
13.8444


 87.9624, 60.5456,
88.6826


 9.0877, 3.5527,
7.8750


 113.4323, 81.0048,
115.5783

 4.8560, 1.4266,
3.9284

 143.3976,
105.6207, 147.4266

 2.1969, 0.2362,
1.5862

 178.2237,
134.7775, 184.6461

 0.7411, 0.0000,
0.2809

218.2760,

 0.0000, 0.0000,

168.8598, 227.6553

0.0000

263.9198,
208.2518, 276.8726

■ 34.8719, 20.2635,
33.5258

■ 34.8719, 20.2635,
33.5258

■ 33.1781, 17.9320,
29.7050

■ 37.0690, 23.5287,
37.7381

■ 31.9325, 16.4260,
26.2527

■ 39.8128, 27.8139,
42.3601

■ 31.0570, 15.5905,
23.1384

■ 43.1443, 33.1989,
47.4097

■ 30.9207, 15.4716,
22.6188

■ 47.0994, 39.7550,
52.9029

■ 51.7113, 47.5470,
58.8545

■ 57.0108, 56.6353,
65.2786

■ 63.0267, 67.0760,
72.1885

■ 69.7859, 78.9222,
79.5967

■ 76.7022, 91.0002,
87.3115

Harmonies

Analogous

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



30.0296, 20.2635, 60.9501



34.8719, 20.2635, 33.5258



34.9247, 20.2635, 13.8424

Triad

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



34.8719, 20.2635, 33.5258



16.1213, 20.2635, 2.0294



11.3643, 20.2635, 60.4047

Complementary

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



34.8719, 20.2635, 33.5258



29.1230, 49.1877, 26.3742

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.



9.1596, 20.2635, 33.0267



34.8719, 20.2635, 33.5258



11.4327, 20.2635, 4.6914

Square

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



34.8719, 20.2635, 33.5258



22.9299, 20.2635, 2.0502



9.1812, 20.2635, 13.5662



16.0039, 20.2635, 81.6950

Rectangle

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



34.8719, 20.2635, 33.5258



32.1716, 20.2635, 6.8499



9.1812, 20.2635, 13.5662



10.3682, 20.2635, 51.0776

Sweetspot

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



34.8725, 20.2645, 33.5262



77.9035, 70.4740, 88.4885



21.4843, 12.6976, 62.9468



16.2340, 14.3380, 18.3776



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.



34.8725, 20.2645, 33.5262



49.9639, 26.3065, 43.0693



30.5598, 18.5395, 10.8157



12.1114, 11.9293, 13.8626



18.7119, 9.3576, 13.9208



1.0843, 0.5384, 0.9787

Inverse Universe

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



34.8725, 20.2645, 33.5262



49.9639, 26.3065, 43.0693



35.1021, 51.5793, 57.8596



12.1114, 11.9293, 13.8626



18.7119, 9.3576, 13.9208



1.0843, 0.5384, 0.9787

Previews

White Background



This preview shows how the XYZ color 34.8719, 20.2635, 33.5258 looks on a white background.

Color Contrast Check

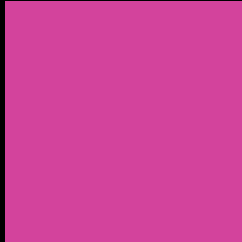
Large Text (above 18pt) WCAG AA ✓ Pass

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 34.8719, 20.2635, 33.5258 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

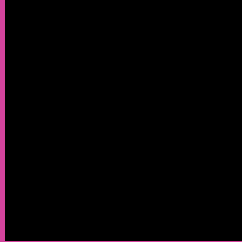
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 34.8719, 20.2635, 33.5258

Background



This preview shows how black text looks on a background with the XYZ color 34.8719, 20.2635, 33.5258.



This preview shows how white text looks on a background with the XYZ color 34.8719, 20.2635,

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

34.8719, 20.2635, 33.5258

Protanopia

22.0908, 20.7385, 55.6619

Deuteranopia

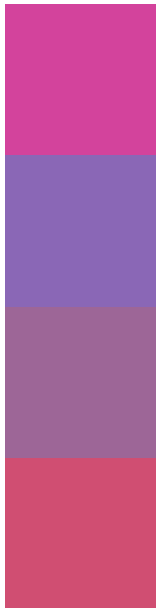
20.9090, 20.4928, 30.8705



Tritanopia

30.5476, 20.3570, 11.9921

Trichromacy



Original Color

34.8719, 20.2635, 33.5258

Protanomaly

23.7750, 18.4812, 46.5701

Deuteranomaly

24.2419, 18.9052, 31.6495

Tritanomaly

31.7741, 20.0736, 18.1195

Monochromacy



Original Color

34.8719, 20.2635, 33.5258

Achromatopsia

17.8524, 18.7821, 20.4537

Achromatomaly

22.0242, 17.7731, 24.4601

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.8719, 20.2635, 33.5258 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(211, 67, 156)` looks like.

```
.text, #text, p{  
    color:rgb(211, 67, 156)  
}
```

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(211, 67, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(211, 67, 156) }
```

Border

The CSS property to change the border of an element to XYZ 34.8719, 20.2635, 33.5258 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(211, 67, 156) }
```


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

```
.border{ border-color:rgb(211, 67, 156) }
```

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

Here you see how a box with a 4 pixel `rgb(211, 67, 156)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(211, 67, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(211, 67, 156);  
box-shadow:4px 4px 4px 4px rgb(211, 67,  
156) }
```

Background

The CSS property to change the background color of an element to XYZ 34.8719, 20.2635, 33.5258 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(211, 67, 156) }
```

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

```
.background{ background-color: rgb(211, 67,  
156) }
```

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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