

Converting Colors

XYZ(34.4601, 19.0844, 55.1341)

Have a look what the booklet for
XYZ(34.4601, 19.0844, 55.1341)
contains.

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Color

**XYZ(34.3675, 19.0168,
55.2853)**

Conversions

Conversions Part 1

Format	Color
Hex	C33DC6
RGB	195, 61, 198
RGB Percent	76%, 24%, 78%
CMY	0.2353, 0.7608, 0.2235
CMYK	0.02, 0.69, 0.00, 0.22
HSL	299°, 55%, 51%
HSV	299°, 69%, 78%
XYZ	34.3675, 19.0168, 55.2853
YIQ	116.6840, 35.8870, 71.0150

Conversions

Conversions Part 2

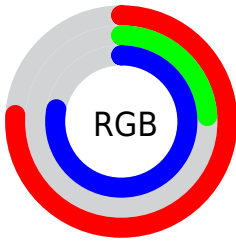
Format	Color
R_{YB}	195, 61, 198
Decimal	12795334
CIE _{Lab}	50.71, 68.68, -44.54
CIE _{LCh}	51, 81.861, 327.034
Yxy	19.0168, 0.3163, 0.1750
Android (android.graphics.Color)	4290985414 (0xFFC33DC6)
YUV	116.6840, 40.0888, 68.6831
Hunter-Lab	43.6083, 64.3607, -44.6404

Details

The XYZ color **34.3675, 19.0168, 55.2853** is a light color, and the websafe version is hex **CC33CC**. The color can be described as light muted magenta. A complement of this color would be **23.1513, 41.8155, 11.2667**, and the grayscale version is **16.6843, 17.5532, 19.1154**.

A 20% lighter version of the original color is **66.0065, 41.9129, 99.2188**, and **15.2745, 7.3015, 26.5909** is the 20% darker color. If you saturate the color by 10%, you get **33.3874, 17.2220, 54.9908**, and if you desaturate by 10%, it is **35.7394, 21.5934, 55.7106**.

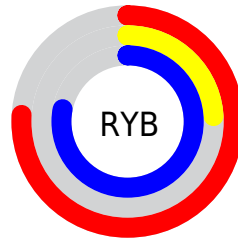
Distribution



Red (76%)

Green (24%)

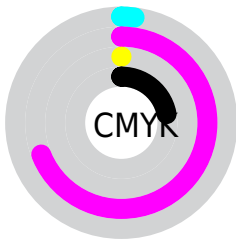
Blue (78%)



Red (76%)

Yellow (24%)

Blue (78%)

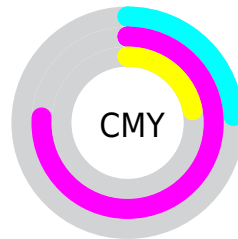


Cyan (2%)

Magenta (69%)

Yellow (0%)

Black (22%)



Cyan (24%)

Magenta (76%)

Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 34.3675, 19.0168, 55.2853 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 34.3675, 19.0168, 55.2853 by changing the saturation by 10% instead.

34.3675, 19.0168,
55.2853

34.3675, 19.0168,
55.2853

313.3248,
246.5415, 424.3049

23.3403, 11.6824,
39.2300

65.8453, 41.7625,
99.4342

14.9671, 6.5278,
26.6295

87.0265, 57.9426,
128.3649

8.8824, 3.1686,
17.0652

112.3232, 77.8400,
162.4245

4.7211, 1.2204,
10.1185

142.1006,
101.8392, 202.0315

2.1176, 0.0783,
5.3710

176.7241,
130.3246, 247.6045

0.6988, 0.0000,
2.4040

216.5590,

0.0000, 0.0000,

163.6805, 299.5621

0.7886

261.9708,
202.2913, 358.3227

■ 0.0000, 0.0000,
0.0000

■ 34.3675, 19.0168,
55.2853

■ 34.3675, 19.0168,
55.2853

■ 33.3874, 17.2220,
54.9908

■ 35.7394, 21.5934,
55.7106

■ 32.7515, 16.1158,
54.8108

■ 37.5393, 25.0264,
56.2784

■ 32.3821, 15.5419,
54.7195

■ 39.8020, 29.3843,
57.0003

■ 32.3556, 15.5024,
54.7133

■ 42.5580, 34.7283,
57.8865

■ 45.8351, 41.1141,
58.9464

■ 49.6592, 48.5933,
60.1884

■ 54.0543, 57.2142,
61.6208

■ 59.0432, 67.0221,
63.2510

■ 64.6473, 78.0598,
65.0861

Harmonies

Analogous

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



26.0389, 19.0168, 90.3335



34.3675, 19.0168, 55.2853



38.2912, 19.0168, 23.0792

Triad

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



34.3675, 19.0168, 55.2853



18.8856, 19.0168, 0.3967



7.5161, 19.0168, 48.0039

Complementary

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



34.3675, 19.0168, 55.2853



23.1513, 41.8155, 11.2667

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.



6.6256, 19.0168, 18.5014



34.3675, 19.0168, 55.2853



11.9269, 19.0168, 1.0152

Square

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



34.3675, 19.0168, 55.2853



27.8440, 19.0168, 1.3536



7.9700, 19.0168, 4.7625



10.9086, 19.0168, 84.3617

Rectangle

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



34.3675, 19.0168, 55.2853



37.2184, 19.0168, 10.2671



7.9700, 19.0168, 4.7625



6.9676, 19.0168, 36.5459

Sweetspot

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



34.3682, 19.0177, 55.2857



79.8518, 70.2418, 103.9571



14.0412, 8.9162, 54.4073



16.7352, 14.3397, 22.1358



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.



34.3682, 19.0177, 55.2857



58.4826, 29.3652, 97.1934



29.2658, 17.0671, 24.3315



11.0593, 10.8043, 13.4200



21.0517, 10.0868, 35.5818



1.0042, 0.4815, 1.6851

Inverse Universe

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



25.8834, 15.7142, 6.5201



42.6498, 23.2266, 5.0297



25.8166, 42.8597, 26.2929



10.6431, 10.6406, 11.1040



15.1648, 7.8155, 0.8119



0.7214, 0.3714, 0.0561

Previews

White Background



This preview shows how the XYZ color 34.3675, 19.0168, 55.2853 looks on a white background.

Color Contrast Check

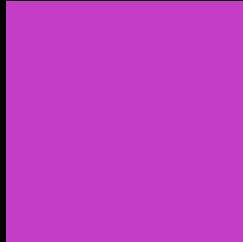
Large Text (above 18pt) WCAG AA ✓ Pass

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 34.3675, 19.0168, 55.2853 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

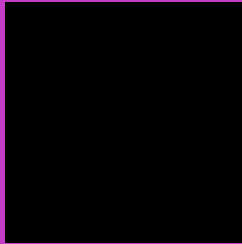
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 34.3675, 19.0168, 55.2853

Background



This preview shows how black text looks on a background with the XYZ color 34.3675, 19.0168, 55.2853.



This preview shows how white text looks on a background with the XYZ color 34.3675, 19.0168,

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

34.3675, 19.0168, 55.2853

Protanopia

23.4602, 19.5621, 92.1619

Deuteranopia

19.7522, 19.2840, 50.2581



Tritanopia

25.9818, 18.9391, 14.3428

Trichromacy



Original Color

34.3675, 19.0168, 55.2853



Protanomaly

21.1562, 15.6022, 76.7594



Deuteranomaly

22.5805, 17.1651, 51.9922



Tritanomaly

28.1254, 18.3538, 25.3528

Monochromacy



Original Color

34.3675, 19.0168, 55.2853



Achromatopsia

16.9083, 17.7888, 19.3720



Achromatomaly

21.1401, 16.6445, 29.2926

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.3675, 19.0168, 55.2853 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(195, 61, 198)` looks like.

```
.text, #text, p{  
    color:rgb(195, 61, 198)  
}
```

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(195, 61, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(195, 61, 198) }
```

Border

The CSS property to change the border of an element to XYZ 34.3675, 19.0168, 55.2853 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(195, 61, 198) }
```


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

```
.border{ border-color:rgb(195, 61, 198) }
```

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

Here you see how a box with a 4 pixel `rgb(195, 61, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(195, 61, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(195, 61, 198);  
box-shadow:4px 4px 4px 4px rgb(195, 61,  
198) }
```

Background

The CSS property to change the background color of an element to XYZ 34.3675, 19.0168, 55.2853 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(195, 61, 198) }
```

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

```
.background{ background-color: rgb(195, 61,  
198) }
```

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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