

Converting Colors

XYZ(34.4386, 19.5071, 61.6246)

Have a look what the booklet for
XYZ(34.4386, 19.5071, 61.6246)
contains.

XYZ(34.4386, 19.5071, 61.6246)	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(34.4386, 19.5071,
61.6246)**

Conversions

Conversions Part 1

Format	Color
Hex	BD44D0
RGB	189, 68, 208
RGB Percent	74%, 27%, 82%
CMY	0.2588, 0.7333, 0.1843
CMYK	0.09, 0.67, 0.00, 0.18
HSL	292°, 60%, 54%
HSV	292°, 67%, 82%
XYZ	34.4386, 19.5071, 61.6246
YIQ	120.1390, 27.1760, 69.1920

Conversions

Conversions Part 2

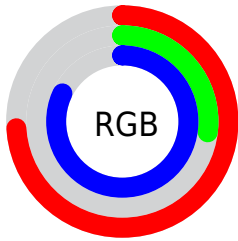
Format	Color
RYB	189, 68, 208
Decimal	12403920
CIELab	51.28, 66.48, -49.44
CIELCh	51, 82.848, 323.359
Yxy	19.5071, 0.2980, 0.1688
Android (android.graphics.Color)	4290594000 (0xFFBD44D0)
YUV	120.1390, 43.3155, 60.3911
Hunter-Lab	44.1668, 61.8914, -51.8087

Details

The XYZ color **34.4386, 19.5071, 61.6246** is a light color, and the websafe version is hex **CC33CC**. The color can be described as light muted purple. A complement of this color would be **27.5302, 47.5557, 13.1977**, and the grayscale version is **17.7576, 18.6824, 20.3452**.

A 20% lighter version of the original color is **64.0950, 41.8437, 99.3062**, and **15.2655, 7.2054, 30.7232** is the 20% darker color. If you saturate the color by 10%, you get **32.7032, 17.0651, 61.2450**, and if you desaturate by 10%, it is **36.6352, 22.8499, 62.1544**.

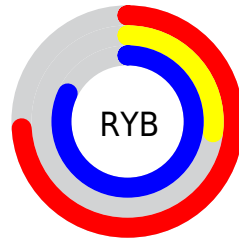
Distribution



Red (74%)

Green (27%)

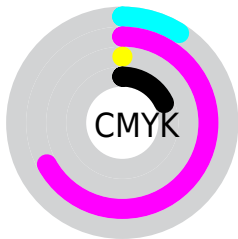
Blue (82%)



Red (74%)

Yellow (27%)

Blue (82%)

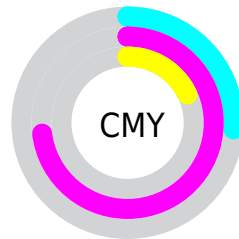


Cyan (9%)

Magenta (67%)

Yellow (0%)

Black (18%)



Cyan (26%)


Magenta (73%)


Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 34.4386, 19.5071, 61.6246 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 34.4386, 19.5071, 61.6246 by changing the saturation by 10% instead.


 34.4386, 19.5071,
61.6246


 34.4386, 19.5071,
61.6246


313.6350,
249.2341, 448.5302


 23.3952, 12.0373,
44.2956


 65.9549, 42.5892,
108.7491


 15.0079, 6.7691,
30.5641


 87.1586, 58.9703,
139.3817


 8.9113, 3.3181,
20.0115


 112.4797, 79.0906,
175.2859

 4.7400, 1.3000,
12.2192

 142.2837,
103.3345, 216.8803

 2.1287, 0.1412,
6.7688

 176.9358,
132.0865, 264.5834

 0.7048, 0.0000,
3.2417

216.8015,

 0.0000, 0.0000,

165.7308, 318.8137

1.2193

262.2461,
204.6518, 379.9898

■ 0.0000, 0.0000,
0.0000

■ 34.4386, 19.5071,
61.6246

■ 34.4386, 19.5071,
61.6246

■ 32.7032, 17.0651,
61.2450

■ 36.6352, 22.8499,
62.1544

■ 31.3770, 15.4220,
60.9978

■ 39.3332, 27.1760,
62.8472

■ 30.3930, 14.4433,
60.8607

■ 42.5710, 32.5611,
63.7159

■ 30.1549, 14.2302,
60.8321

■ 46.3825, 39.0729,
64.7720

■ 50.7987, 46.7736,
66.0256

■ 55.8485, 55.7206,
67.4864

■ 61.5587, 65.9678,
69.1633

■ 67.9549, 77.5657,
71.0648

■ 74.9955, 90.4314,
73.1771

Harmonies

Analogous

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



25.5824, 19.5071, 96.4067



34.4386, 19.5071, 61.6246



39.2290, 19.5071, 26.9500

Triad

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



34.4386, 19.5071, 61.6246



20.4401, 19.5071, 0.4274



7.4438, 19.5071, 44.8777

Complementary

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



34.4386, 19.5071, 61.6246



27.5302, 47.5557, 13.1977

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.



6.8118, 19.5071, 16.3993



34.4386, 19.5071, 61.6246



12.9269, 19.5071, 0.8633

Square

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



34.4386, 19.5071, 61.6246



29.7339, 19.5071, 1.6523



8.4895, 19.5071, 4.0113



10.5821, 19.5071, 82.6857

Rectangle

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



34.4386, 19.5071, 61.6246



38.6985, 19.5071, 12.3642



8.4895, 19.5071, 4.0113



6.9790, 19.5071, 33.5864

Sweetspot

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



34.4394, 19.5079, 61.6250



78.3823, 70.3766, 104.0606



17.3421, 12.9286, 61.2562



16.3471, 14.3129, 22.1510



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.



34.4394, 19.5079, 61.6250



50.7945, 25.6969, 96.8906



34.3381, 20.0480, 34.8615



12.1465, 11.9243, 14.9051



18.8543, 8.9000, 37.9166



1.0989, 0.5206, 2.1221

Inverse Universe

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



29.8003, 18.2329, 10.9660



43.6367, 23.9394, 9.2462



28.1512, 47.6255, 24.5394



11.8731, 11.8340, 12.6077



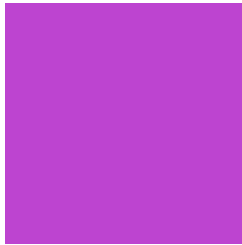
16.3654, 8.4190, 1.5647



0.9368, 0.4794, 0.2022

Previews

White Background



This preview shows how the XYZ color 34.4386, 19.5071, 61.6246 looks on a white background.

Color Contrast Check

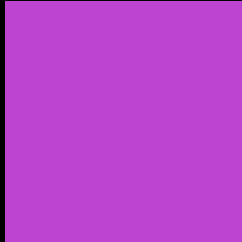
Large Text (above 18pt) WCAG AA ✓ Pass

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 34.4386, 19.5071, 61.6246 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

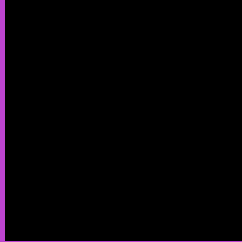
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 34.4386, 19.5071, 61.6246

Background



This preview shows how black text looks on a background with the XYZ color 34.4386, 19.5071, 61.6246.



This preview shows how white text looks on a background with the XYZ color 34.4386, 19.5071,

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

34.4386, 19.5071, 61.6246

Protanopia

23.8910, 19.9219, 93.8529

Deuteranopia

20.4523, 19.8672, 56.7896



Tritanopia

25.1155, 19.4060, 16.3319

Trichromacy



Original Color

34.4386, 19.5071, 61.6246



Protanomaly

22.0068, 16.3777, 80.5986



Deuteranomaly

22.9821, 17.8163, 58.1047



Tritanomaly

27.5798, 18.8168, 28.5639

Monochromacy



Original Color

34.4386, 19.5071, 61.6246



Achromatopsia

17.8524, 18.7821, 20.4537



Achromatomaly

21.9982, 17.5941, 31.9423

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.4386, 19.5071, 61.6246 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(189, 68, 208)` looks like.

```
.text, #text, p{  
    color:rgb(189, 68, 208)  
}
```

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(189, 68, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 68, 208) }
```

Border

The CSS property to change the border of an element to XYZ 34.4386, 19.5071, 61.6246 is called "border". The border property can be set on classes, ids or directly on the HTML element.

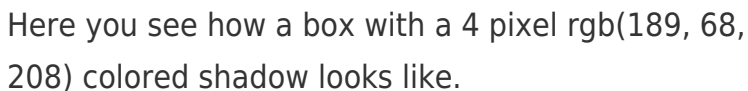
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(189, 68, 208) }
```


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

```
.border{ border-color:rgb(189, 68, 208) }
```

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



Here you see how a box with a 4 pixel `rgb(189, 68, 208)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(189, 68, 208); -webkit-box-shadow:4px 4px 4px 4px rgb(189, 68, 208); box-shadow:4px 4px 4px 4px rgb(189, 68, 208) }
```

Background

The CSS property to change the background color of an element to XYZ 34.4386, 19.5071, 61.6246 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 68, 208) }
```

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

```
.background{ background-color: rgb(189, 68,  
208) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor