

Converting Colors

XYZ(34.9604, 19.2686, 49.6477)

Have a look what the booklet for
XYZ(34.9604, 19.2686, 49.6477)
contains.

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Color

**XYZ(34.9982, 19.3153,
49.4606)**

Conversions

Conversions Part 1

Format	Color
Hex	CA3BBC
RGB	202, 59, 188
RGB Percent	79%, 23%, 74%
CMY	0.2078, 0.7686, 0.2627
CMYK	0.00, 0.71, 0.07, 0.21
HSL	306°, 57%, 51%
HSV	306°, 71%, 79%
XYZ	34.9982, 19.3153, 49.4606
YIQ	116.4630, 43.8190, 70.4350

Conversions

Conversions Part 2

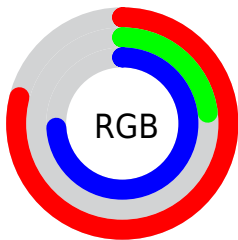
Format	Color
R_{YB}	202, 59, 188
Decimal	13253564
CIE _{Lab}	51.05, 69.35, -38.13
CIE _{LCh}	51, 79.143, 331.195
Yxy	19.3153, 0.3373, 0.1861
Android (android.graphics.Color)	4291443644 (0xFFCA3BBC)
YUV	116.4630, 35.2677, 75.0159
Hunter-Lab	43.9492, 65.2345, -35.9608

Details

The XYZ color **34.9982, 19.3153, 49.4606** is a dark color, and the websafe version is hex **CC33CC**. The color can be described as middle muted rose. A complement of this color would be **24.1277, 43.6528, 13.4588**, and the grayscale version is **16.6292, 17.4952, 19.0523**.

A 20% lighter version of the original color is **64.3183, 41.0462, 90.9190**, and **15.8047, 7.6505, 23.1980** is the 20% darker color. If you saturate the color by 10%, you get **33.9420, 17.5412, 48.0639**, and if you desaturate by 10%, it is **36.4603, 21.8954, 51.0073**.

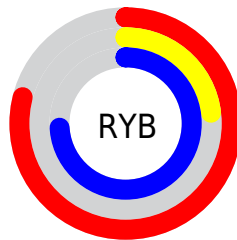
Distribution



Red (79%)

Green (23%)

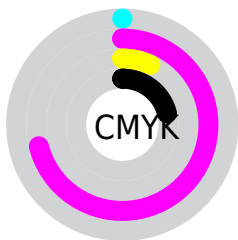
Blue (74%)



Red (79%)

Yellow (23%)

Blue (74%)

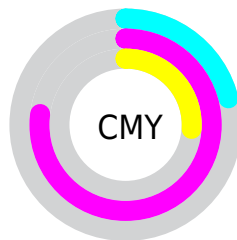


Cyan (0%)

Magenta (71%)

Yellow (7%)

Black (21%)



Cyan (21%)


Magenta (77%)


Yellow (26%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 34.9982, 19.3153, 49.4606 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 34.9982, 19.3153, 49.4606 by changing the saturation by 10% instead.


 34.9982, 19.3153,
49.4606


 34.9982, 19.3153,
49.4606


316.0685,
248.1839, 401.2273


 23.8280, 11.8983,
34.6168


 66.8170, 42.2662,
90.7632


 15.3301, 6.6745,
23.0867


 88.1963, 58.5689,
118.0591


 9.1392, 3.2594,
14.4516


 113.7094, 78.6024,
150.3429

 4.8899, 1.2686,
8.2931

 143.7216,
102.7509, 188.0329

 2.2169, 0.1167,
4.1926

 178.5983,
131.3989, 231.5478

 0.7516, 0.0000,
1.7316

218.7047,

 0.0000, 0.0000,

164.9308, 281.3062

0.3823

264.4064,
203.7310, 337.7265

■ 0.0000, 0.0000,
0.0000

■ 34.9982, 19.3153,
49.4606

■ 34.9982, 19.3153,
49.4606

■ 33.9420, 17.5412,
48.0639

■ 36.4603, 21.8954,
51.0073

■ 33.2401, 16.4718,
46.7995

■ 38.3675, 25.3616,
52.7168

■ 32.8240, 15.9433,
45.7243

■ 40.7569, 29.7875,
54.6015

■ 43.6611, 35.2381,
56.6723

■ 47.1098, 41.7730,
58.9393

■ 51.1305, 49.4471,
61.4117

■ 55.7486, 58.3113,
64.0980

■ 60.9883, 68.4139,
67.0062

■ 66.8723, 79.8002,
70.1441

Harmonies

Analogous

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



27.3302, 19.3153, 83.8350



34.9982, 19.3153, 49.4606



37.9409, 19.3153, 20.1429

Triad

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



34.9982, 19.3153, 49.4606



18.0458, 19.3153, 0.6222



8.2439, 19.3153, 52.2720

Complementary

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



34.9982, 19.3153, 49.4606



24.1277, 43.6528, 13.4588

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.



7.0319, 19.3153, 21.9450



34.9982, 19.3153, 49.4606



11.6027, 19.3153, 1.4969

Square

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



34.9982, 19.3153, 49.4606



26.6260, 19.3153, 1.3474



8.0608, 19.3153, 6.3299



12.0087, 19.3153, 86.1205

Rectangle

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



34.9982, 19.3153, 49.4606



36.3148, 19.3153, 8.9614



8.0608, 19.3153, 6.3299



7.5820, 19.3153, 40.8305

Sweetspot

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



34.9989, 19.3162, 49.4610



79.4489, 70.1303, 99.5918



14.8180, 8.7297, 56.7818



16.6379, 14.3128, 21.0805



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.



34.9989, 19.3162, 49.4610



56.7605, 28.5900, 80.2015



29.2268, 17.0074, 19.0656



11.6384, 11.3841, 13.8962



21.1401, 10.2666, 29.5199



1.1047, 0.5353, 1.5969

Inverse Universe

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



34.9989, 19.3162, 49.4610



56.7605, 28.5900, 80.2015



27.8389, 45.1373, 33.0020



11.6384, 11.3841, 13.8962



21.1401, 10.2666, 29.5199



1.1047, 0.5353, 1.5969

Previews

White Background



This preview shows how the XYZ color 34.9982, 19.3153, 49.4606 looks on a white background.

Color Contrast Check

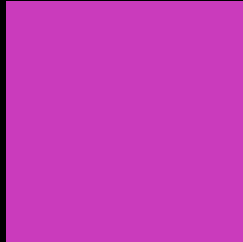
Large Text (above 18pt) WCAG AA ✓ Pass

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 34.9982, 19.3153, 49.4606 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

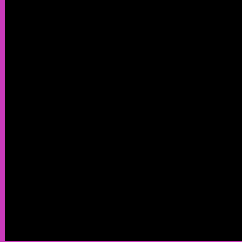
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 34.9982, 19.3153, 49.4606

Background



This preview shows how black text looks on a background with the XYZ color 34.9982, 19.3153, 49.4606.



This preview shows how white text looks on a background with the XYZ color 34.9982, 19.3153,

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

34.9982, 19.3153, 49.4606

Protanopia

23.3943, 19.8432, 85.8162

Deuteranopia

20.1196, 19.5821, 45.3671



Tritanopia

27.3762, 19.1774, 13.0852

Trichromacy



Original Color

34.9982, 19.3153, 49.4606



Protanomaly

22.8263, 16.5900, 71.1064



Deuteranomaly

22.9645, 17.3470, 46.3939



Tritanomaly

29.4518, 18.7695, 22.8395

Monochromacy



Original Color

34.9982, 19.3153, 49.4606



Achromatopsia

16.6002, 17.4647, 19.0191



Achromatomaly

21.0073, 16.3405, 27.6380

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.9982, 19.3153, 49.4606 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(202, 59, 188)` looks like.

```
.text, #text, p{  
    color:rgb(202, 59, 188)  
}
```

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(202, 59, 188) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 59, 188) }
```

Border

The CSS property to change the border of an element to XYZ 34.9982, 19.3153, 49.4606 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(202, 59, 188) }
```


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

```
.border{ border-color:rgb(202, 59, 188) }
```

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

Here you see how a box with a 4 pixel rgb(202, 59, 188) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 59, 188); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 59, 188);  
box-shadow:4px 4px 4px 4px rgb(202, 59,  
188) }
```

Background

The CSS property to change the background color of an element to XYZ 34.9982, 19.3153, 49.4606 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 59, 188) }
```

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

```
.background{ background-color: rgb(202, 59,  
188) }
```

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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