

Converting Colors

XYZ(34.1007, 21.6065, 50.1390)

Have a look what the booklet for
XYZ(34.1007, 21.6065, 50.1390)
contains.

XYZ(33.9712, 21.5236, 49.9409)	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(33.9712, 21.5236,
49.9409)**

Conversions

Conversions Part 1

Format	Color
Hex	BF57BC
RGB	191, 87, 188
RGB Percent	75%, 34%, 74%
CMY	0.2510, 0.6588, 0.2627
CMYK	0.00, 0.54, 0.02, 0.25
HSL	302°, 45%, 55%
HSV	302°, 54%, 75%
XYZ	33.9712, 21.5236, 49.9409
YIQ	129.6100, 29.5630, 53.4590

Conversions

Conversions Part 2

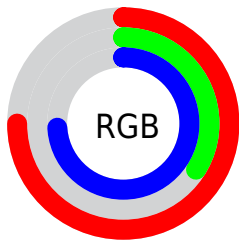
Format	Color
R _Y B	191, 87, 188
Decimal	12539836
CIE Lab	53.52, 55.19, -34.38
CIE LCh	54, 65.023, 328.079
Yxy	21.5236, 0.3222, 0.2041
Android (android.graphics.Color)	4290729916 (0xFFBF57BC)
YUV	129.6100, 28.7863, 53.8390
Hunter-Lab	46.3935, 49.5162, -31.3480

Details

The XYZ color **33.9712, 21.5236, 49.9409** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **24.4078, 40.0270, 16.1137**, and the grayscale version is **20.9758, 22.0682, 24.0323**.

A 20% lighter version of the original color is **65.0732, 45.7821, 91.7933**, and **14.7590, 7.8007, 23.2820** is the 20% darker color. If you saturate the color by 10%, you get **32.5654, 18.8064, 49.1799**, and if you desaturate by 10%, it is **35.7878, 25.0609, 50.8403**.

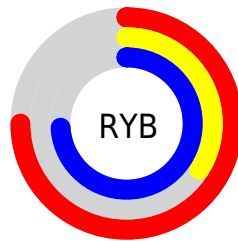
Distribution



Red (75%)

Green (34%)

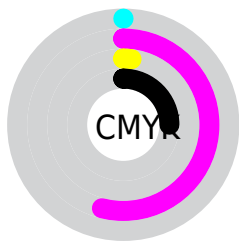
Blue (74%)



Red (75%)

Yellow (34%)

Blue (74%)

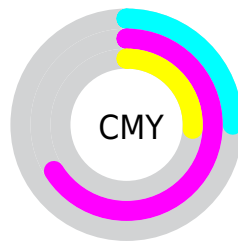


Cyan (0%)

Magenta (54%)

Yellow (2%)

Black (25%)



Cyan (25%)


Magenta (66%)

Yellow (26%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.9712, 21.5236, 49.9409 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 33.9712, 21.5236, 49.9409 by changing the saturation by 10% instead.

 33.9712, 21.5236,
49.9409


 33.9712, 21.5236,
49.9409

311.5918,
260.0482, 403.1632


 23.0343, 13.5073,
34.9956


 65.2335, 45.9573,
91.4827


 14.7396, 7.7788,
23.3760


 86.2895, 63.1435,
118.9163

 8.7220, 3.9537,
14.6634


 111.4493, 84.1551,
151.3497

 4.6159, 1.6477,
8.4395

 141.0782,
109.3766, 189.2015

 2.0562, 0.3894,
4.2857

175.5415,
139.1922, 232.8902

 0.6652, 0.0000,
1.7833

215.2046,

 0.0000, 0.0000,

173.9864, 282.8344

0.4169

260.4330,
214.1436, 339.4525

■ 0.0000, 0.0000,
0.0000

■ 33.9712, 21.5236,
49.9409

■ 33.9712, 21.5236,
49.9409

■ 32.5654, 18.8064,
49.1799

■ 35.7878, 25.0609,
50.8403

■ 31.5351, 16.8404,
48.5450

■ 38.0423, 29.4743,
51.8867

■ 30.8429, 15.5502,
48.0239

■ 40.7623, 34.8182,
53.0893

■ 30.4426, 14.8434,
47.6012

■ 43.9722, 41.1418,
54.4564

■ 30.2950, 14.6001,
47.3918

■ 47.6951, 48.4907,
55.9956

■ 51.9522, 56.9079,
57.7140

■ 56.7638, 66.4337,
59.6183

■ 62.1491, 77.1065,
61.7150

■ 66.8675, 86.4451,
63.5905

Harmonies

Analogous

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



27.3881, 21.5236, 75.7650



33.9712, 21.5236, 49.9409



36.8633, 21.5236, 24.7376

Triad

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



33.9712, 21.5236, 49.9409



20.9073, 21.5236, 2.2486



10.8133, 21.5236, 46.3624

Complementary

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



33.9712, 21.5236, 49.9409



24.4078, 40.0270, 16.1137

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.



9.8252, 21.5236, 22.1800



33.9712, 21.5236, 49.9409



14.8075, 21.5236, 3.3210

Square

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



33.9712, 21.5236, 49.9409



28.3382, 21.5236, 3.6808



11.1078, 21.5236, 8.5001



14.1928, 21.5236, 73.0036

Rectangle

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



33.9712, 21.5236, 49.9409



35.9091, 21.5236, 13.4802



11.1078, 21.5236, 8.5001



10.2293, 21.5236, 37.3762

Sweetspot

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



33.9720, 21.5246, 49.9413



77.6486, 71.5061, 97.0657



16.9074, 12.6897, 50.8493



16.7791, 15.1663, 21.1998



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.



33.9720, 21.5246, 49.9413



57.9890, 33.0388, 87.8857



29.4296, 19.7076, 26.0214



9.9178, 9.6914, 11.9559



19.9145, 9.5970, 31.1732



0.7838, 0.3774, 1.2410

Inverse Universe

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



33.9720, 21.5246, 49.9413



57.9890, 33.0388, 87.8857



27.3502, 41.2040, 31.6082



9.9178, 9.6914, 11.9559



19.9145, 9.5970, 31.1732



0.7838, 0.3774, 1.2410

Previews

White Background



This preview shows how the XYZ color 33.9712, 21.5236, 49.9409 looks on a white background.

Color Contrast Check

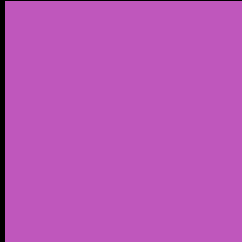
Large Text (above 18pt) WCAG AA ✓ Pass

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 33.9712, 21.5236, 49.9409 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

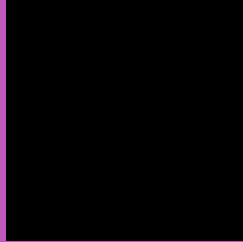
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 33.9712, 21.5236, 49.9409

Background



This preview shows how black text looks on a background with the XYZ color 33.9712, 21.5236, 49.9409.



This preview shows how white text looks on a background with the XYZ color 33.9712, 21.5236,

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

33.9712, 21.5236, 49.9409

Protanopia

24.2225, 21.8661, 71.3505

Deuteranopia

22.2365, 21.7661, 46.7454



Tritanopia

27.4827, 21.4681, 18.6148

Trichromacy



Original Color

33.9712, 21.5236, 49.9409



Protanomaly

25.5052, 20.2574, 62.8874



Deuteranomaly

25.0934, 20.5380, 47.9891



Tritanomaly

29.2771, 21.1611, 27.7407

Monochromacy



Original Color

33.9712, 21.5236, 49.9409



Achromatopsia

21.2178, 22.3228, 24.3095



Achromatomaly

24.5521, 20.9444, 32.0268

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.9712, 21.5236, 49.9409 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, 87, 188)` looks like.

```
.text, #text, p{  
    color:rgb(191, 87, 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(191, 87, 188) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 87, 188) }
```

Border

The CSS property to change the border of an element to XYZ 33.9712, 21.5236, 49.9409 is called "border". The border property can be set on classes, ids or directly on the HTML element.

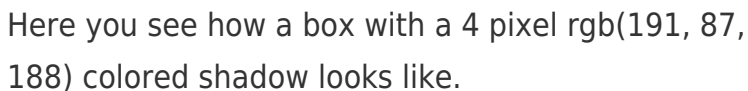
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(191, 87, 188) }
```


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

```
.border{ border-color:rgb(191, 87, 188) }
```

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



Here you see how a box with a 4 pixel `rgb(191, 87, 188)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(191, 87, 188); -webkit-box-shadow:4px 4px 4px 4px rgb(191, 87, 188); box-shadow:4px 4px 4px 4px rgb(191, 87, 188) }
```

Background

The CSS property to change the background color of an element to XYZ 33.9712, 21.5236, 49.9409 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 87, 188) }
```

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

```
.background{ background-color: rgb(191, 87,  
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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