

Converting Colors

XYZ(36.4296, 33.3392, 64.3975)

Have a look what the booklet for
XYZ(36.4296, 33.3392, 64.3975)
contains.

XYZ(36.4307, 33.4199, 64.2051)	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(36.4307, 33.4199,
64.2051)**

Conversions

Conversions Part 1

Format	Color
Hex	9F95D0
RGB	159, 149, 208
RGB Percent	62%, 58%, 82%
CMY	0.3765, 0.4157, 0.1843
CMYK	0.24, 0.28, 0.00, 0.18
HSL	250°, 39%, 70%
HSV	250°, 28%, 82%
XYZ	36.4307, 33.4199, 64.2051
YIQ	158.7160, -12.9790, 20.4690

Conversions

Conversions Part 2

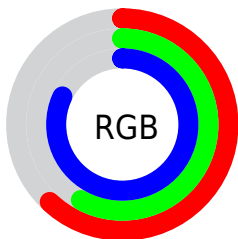
Format	Color
R_{YB}	159, 149, 208
Decimal	10458576
CIE _{Lab}	64.50, 16.22, -28.92
CIE _{LCh}	64, 33.159, 299.286
Yxy	33.4199, 0.2718, 0.2493
Android (android.graphics.Color)	4288648656 (0xFF9F95D0)
YUV	158.7160, 24.2970, 0.2491
Hunter-Lab	57.8099, 11.3198, -25.3819

Details

The XYZ color **36.4307, 33.4199, 64.2051** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **51.2703, 59.2882, 37.1767**, and the grayscale version is **32.7229, 34.4270, 37.4910**.

A 20% lighter version of the original color is **67.1375, 64.2280, 103.4665**, and **16.0613, 14.0994, 32.0119** is the 20% darker color. If you saturate the color by 10%, you get **30.2396, 25.7723, 63.0558**, and if you desaturate by 10%, it is **43.6904, 42.4924, 65.5742**.

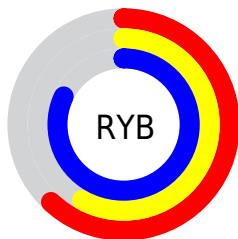
Distribution



Red (62%)

Green (58%)

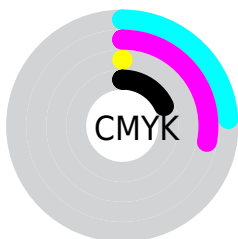
Blue (82%)



Red (62%)

Yellow (58%)

Blue (82%)

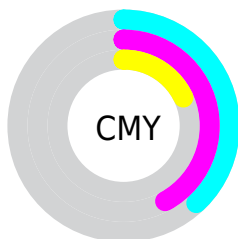


Cyan (24%)

Magenta (28%)

Yellow (0%)

Black (18%)



Cyan (38%)

Magenta (42%)

Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 36.4307, 33.4199, 64.2051 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 36.4307, 33.4199, 64.2051 by changing the saturation by 10% instead.

■ 36.4307, 33.4199,
64.2051

■ 36.4307, 33.4199,
64.2051

322.2377,
317.5376, 458.1577

■ 24.9387, 22.4483,
46.3696

■ 69.0159, 65.0305,
112.5086

■ 16.1599, 14.1867,
32.1868

■ 90.8397, 86.4384,
143.8136

■ 9.7289, 8.2506,
21.2382

116.8382,
112.0938, 180.4455

■ 5.2805, 4.2557,
13.1053

147.3766,
142.3811, 222.8229

■ 2.4492, 1.8176,
7.3695

182.8205,
177.6847, 271.3643

■ 0.8697, 0.4981,
3.6123

223.5350,

■ 0.0000, 0.0000,

218.3891, 326.4881

1.4152

269.8856,
264.8786, 388.6131

■ 0.0000, 0.0000,
0.1535

■ 0.0000, 0.0000,
0.0000

■ 36.4307, 33.4199,
64.2051

■ 36.4307, 33.4199,
64.2051

■ 30.2396, 25.7723,
63.0558

■ 43.6904, 42.4924,
65.5742

■ 25.0629, 19.4727,
62.1127

■ 52.0631, 53.0532,
67.1713

■ 20.8463, 14.4432,
61.3642

■ 61.5943, 65.1668,
69.0072

■ 17.5290, 10.5964,
60.7965

■ 72.3264, 78.8927,
71.0909

■ 15.0434, 7.8331,
60.3941

■ 84.2994, 94.2873,
73.4313

■ 13.3111, 6.0380,
60.1390

■ 88.3853, 97.3341,
73.8040

■ 12.2244, 5.0415,
60.0039

■ 12.0870, 4.9159,
59.9869

Harmonies

Analogous

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



31.6512, 33.4199, 69.1932



36.4307, 33.4199, 64.2051



40.2546, 33.4199, 51.4011

Triad

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



36.4307, 33.4199, 64.2051



36.6466, 33.4199, 18.2566



23.5011, 33.4199, 36.0644

Complementary

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



36.4307, 33.4199, 64.2051



51.2703, 59.2882, 37.1767

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.



24.5611, 33.4199, 24.6270



36.4307, 33.4199, 64.2051



31.8783, 33.4199, 16.0438

Square

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



36.4307, 33.4199, 64.2051



40.3877, 33.4199, 25.0638



27.5150, 33.4199, 18.0520



24.4655, 33.4199, 50.6953

Rectangle

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



36.4307, 33.4199, 64.2051



41.5789, 33.4199, 41.4559



27.5150, 33.4199, 18.0520



23.6307, 33.4199, 31.7520

Sweetspot

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



36.4318, 33.4212, 64.2059



81.4927, 82.7839, 106.2915



44.0128, 51.4090, 67.2783



17.0045, 17.1648, 22.6668



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.



36.4318, 33.4212, 64.2059



51.6352, 45.4027, 100.6499



42.9549, 36.7840, 64.5111



11.3478, 11.5126, 14.8677



7.5892, 3.0927, 37.3894



0.4833, 0.2033, 2.0933

Inverse Universe

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



46.9539, 38.9833, 58.4769



71.0717, 55.6856, 89.6789



44.2725, 55.6807, 36.8492



12.2212, 11.9732, 14.4406



20.9295, 10.2446, 25.5987



1.1936, 0.5821, 1.5542

Previews

White Background



This preview shows how the XYZ color 36.4307, 33.4199, 64.2051 looks on a white background.

Color Contrast Check

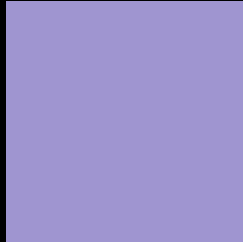
Large Text (above 18pt) WCAG AA × Fail

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 36.4307, 33.4199, 64.2051 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

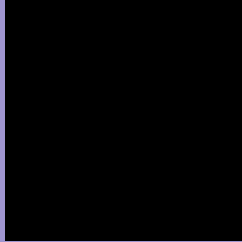
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 36.4307, 33.4199, 64.2051

Background



This preview shows how black text looks on a background with the XYZ color 36.4307, 33.4199, 64.2051.



This preview shows how white text looks on a background with the XYZ color 36.4307, 33.4199,

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

36.4307, 33.4199, 64.2051

Protanopia

34.2545, 33.4401, 66.9365

Deuteranopia

34.3197, 33.5455, 63.6976



Tritanopia

31.9988, 33.3169, 42.2804

Trichromacy



Original Color

36.4307, 33.4199, 64.2051

Protanomaly

35.0187, 33.3627, 66.2220

Deuteranomaly

34.8851, 33.3510, 63.6302

Tritanomaly

33.4560, 33.1699, 49.4389

Monochromacy



Original Color

36.4307, 33.4199, 64.2051

Achromatopsia

32.9542, 34.6704, 37.7561

Achromatomaly

33.9552, 33.9879, 46.3657

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.4307, 33.4199, 64.2051 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(159, 149, 208)` looks like.

```
.text, #text, p{  
    color:rgb(159, 149, 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(159, 149, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 149, 208) }
```

Border

The CSS property to change the border of an element to XYZ 36.4307, 33.4199, 64.2051 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(159, 149, 208) }
```


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

```
.border{ border-color:rgb(159, 149, 208) }
```

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

Here you see how a box with a 4 pixel `rgb(159, 149, 208)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 149, 208); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 149, 208);  
box-shadow:4px 4px 4px 4px rgb(159, 149,  
208) }
```

Background

The CSS property to change the background color of an element to XYZ 36.4307, 33.4199, 64.2051 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 149, 208) }
```

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

```
.background{ background-color: rgb(159,  
149, 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