

# Converting Colors

XYZ(34.2296, 33.4871, 55.5180)

Have a look what the booklet for  
XYZ(34.2296, 33.4871, 55.5180)  
contains.

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# Color

**XYZ(34.2657, 33.4498,  
55.6894)**

# Conversions

## Conversions Part 1

Format	Color
Hex	9999C2
RGB	153, 153, 194
RGB Percent	60%, 60%, 76%
CMY	0.4000, 0.4000, 0.2392
CMYK	0.21, 0.21, 0.00, 0.24
HSL	240°, 25%, 68%
HSV	240°, 21%, 76%
XYZ	34.2657, 33.4498, 55.6894
YIQ	157.6740, -13.1610, 12.7510

# Conversions

## Conversions Part 2

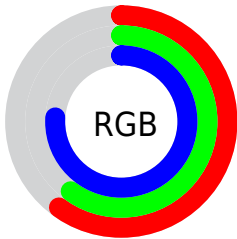
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	153, 153, 194
Decimal	10066370
CIE Lab	64.52, 8.77, -21.11
CIE LCh	65, 22.861, 292.570
Yxy	33.4498, 0.2777, 0.2711
Android (android.graphics.Color)	4288256450 (0xFF9999C2)
YUV	157.6740, 17.9087, -4.0991
Hunter-Lab	57.8358, 4.5424, -16.6046

# Details

The XYZ color **34.2657, 33.4498, 55.6894** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **47.2901, 52.3529, 37.7506**, and the grayscale version is **32.2785, 33.9595, 36.9819**.

A 20% lighter version of the original color is **65.7378, 65.0006, 100.3484**, and **14.8518, 14.1629, 26.7619** is the 20% darker color. If you saturate the color by 10%, you get **27.9764, 25.8717, 54.5587**, and if you desaturate by 10%, it is **41.6687, 42.3700, 57.0215**.

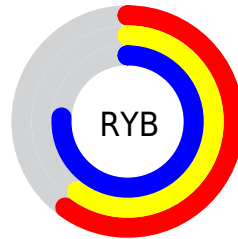
# Distribution



Red (60%)

Green (60%)

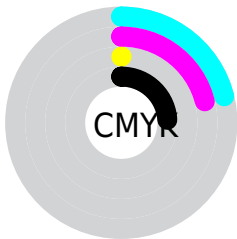
Blue (76%)



Red (60%)

Yellow (60%)

Blue (76%)

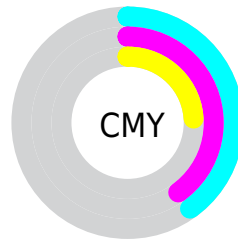


Cyan (21%)

Magenta (21%)

Yellow (0%)

Black (24%)



Cyan (40%)

Magenta (40%)

Yellow (24%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 34.2657, 33.4498, 55.6894 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 34.2657, 33.4498, 55.6894 by changing the saturation by 10% instead.



■ 34.2657, 33.4498,  
55.6894

■ 34.2657, 33.4498,  
55.6894

312.8803,  
317.6717, 425.8753

■ 23.2616, 22.4712,  
39.5516

■ 65.6882, 65.0771,  
100.0316

■ 14.9086, 14.2036,  
26.8780

■ 86.8373, 86.4947,  
129.0730

■ 8.8411, 8.2624,  
17.2500

112.0989,  
112.1608, 163.2528

■ 4.6940, 4.2633,  
10.2491

141.8382,  
142.4597, 202.9894

■ 2.1018, 1.8219,  
5.4566

176.4207,  
177.7758, 248.7015

■ 0.6902, 0.5008,  
2.4542

216.2116,

■ 0.0000, 0.0000,

218.4936, 300.8074

0.8157

261.5763,  
264.9974, 359.7259

■ 0.0000, 0.0000,  
0.0000

■ 34.2657, 33.4498,  
55.6894

■ 34.2657, 33.4498,  
55.6894

■ 27.9764, 25.8717,  
54.5587

■ 41.6687, 42.3700,  
57.0215

■ 22.7438, 19.5668,  
53.6175

■ 50.2322, 52.6883,  
58.5618

■ 18.5111, 14.4667,  
52.8562

■ 60.0042, 64.4628,  
60.3195

■ 15.2145, 10.4945,  
52.2632

■ 71.0290, 77.7469,  
62.3025

■ 12.7831, 7.5648,  
51.8259

■ 83.3489, 92.5914,  
64.5185

■ 11.1358, 5.5798,  
51.5296

■ 86.7377, 96.6751,  
65.1281

■ 10.1762, 4.4235,  
51.3570

■ 9.7378, 3.8952,  
51.2781

# Harmonies

## Analogous

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



30.9875, 33.4498, 57.3337



34.2657, 33.4498, 55.6894



37.0472, 33.4498, 48.4875

# Triad

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



34.2657, 33.4498, 55.6894



35.7663, 33.4498, 23.9206



25.9615, 33.4498, 34.1437

# Complementary

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



34.2657, 33.4498, 55.6894



47.2901, 52.3529, 37.7506

# 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.



27.0607, 33.4498, 26.5437



34.2657, 33.4498, 55.6894



32.6124, 33.4498, 21.3348

# Square

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



34.2657, 33.4498, 55.6894



37.9541, 33.4498, 29.9429



29.4423, 33.4498, 22.2053



26.3376, 33.4498, 43.7723



# Rectangle

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



34.2657, 33.4498, 55.6894



38.1714, 33.4498, 42.0807



29.4423, 33.4498, 22.2053



26.1680, 33.4498, 31.2933

# Sweetspot

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



34.2668, 33.4512, 55.6902



83.0405, 85.8578, 104.6653



42.0904, 49.2210, 57.9202



17.9594, 18.5301, 22.8801



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.



34.2668, 33.4512, 55.6902



56.9829, 54.4602, 99.9783



38.3227, 35.5418, 55.8799



9.5284, 9.7481, 12.6642



6.4022, 2.5610, 33.7135



0.2766, 0.1107, 1.4567



# Inverse Universe

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



39.3900, 36.5526, 35.1177



67.8005, 61.0090, 56.5399



42.5387, 49.9039, 37.5283



10.0732, 10.0779, 10.4762



14.6275, 7.5408, 0.6847

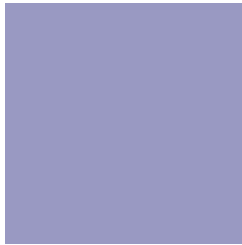


0.6320, 0.3258, 0.0296



# Previews

## White Background



This preview shows how the XYZ color 34.2657, 33.4498, 55.6894 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

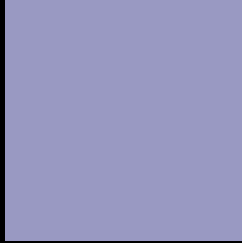
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 34.2657, 33.4498, 55.6894 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

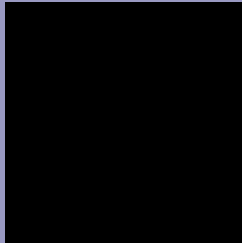
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 34.2657, 33.4498, 55.6894**

## **Background**



This preview shows how black text looks on a background with the XYZ color 34.2657, 33.4498, 55.6894.



This preview shows how white text looks on a background with the XYZ color 34.2657, 33.4498,



# 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

34.2657, 33.4498, 55.6894

### Protanopia

33.6043, 33.5859, 56.3413

### Deuteranopia

34.0777, 33.3529, 55.6806



## Tritanopia

31.5254, 33.3121, 42.7985

# Trichromacy



## Original Color

34.2657, 33.4498, 55.6894

## Protanomaly

33.8004, 33.4409, 56.3030

## Deuteranomaly

34.0777, 33.3529, 55.6806

## Tritanomaly

32.6028, 33.5156, 47.3986

# Monochromacy



## Original Color

34.2657, 33.4498, 55.6894

## Achromatopsia

32.4990, 34.1914, 37.2345

## Achromatomaly

32.9495, 33.7851, 43.3126

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 34.2657, 33.4498, 55.6894 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(153, 153, 194)` looks like.

```
.text, #text, p{  
    color:rgb(153, 153, 194)  
}
```

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(153, 153, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 153, 194) }
```

## Border

The CSS property to change the border of an element to XYZ 34.2657, 33.4498, 55.6894 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(153, 153, 194) }
```



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

```
.border{ border-color:rgb(153, 153, 194) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 153, 194)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 153, 194); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 153, 194);  
box-shadow:4px 4px 4px 4px rgb(153, 153,  
194) }
```

# Background

The CSS property to change the background color of an element to XYZ 34.2657, 33.4498, 55.6894 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 153, 194) }
```

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

```
.background{ background-color: rgb(153,  
153, 194) }
```

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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