

# Converting Colors

XYZ(38.9556, 39.4303, 65.8795)

Have a look what the booklet for  
XYZ(38.9556, 39.4303, 65.8795)  
contains.

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# Color

**XYZ(39.0288, 39.5773,  
65.9037)**

# Conversions

## Conversions Part 1

Format	Color
Hex	9BA8D1
RGB	155, 168, 209
RGB Percent	61%, 66%, 82%
CMY	0.3921, 0.3412, 0.1804
CMYK	0.26, 0.20, 0.00, 0.18
HSL	226°, 37%, 71%
HSV	226°, 26%, 82%
XYZ	39.0288, 39.5773, 65.9037
YIQ	168.7870, -20.9090, 9.9950

# Conversions

## Conversions Part 2

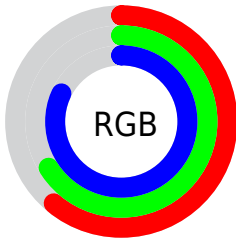
Format	Color
R <sub>YB</sub>	155, 165, 209
Decimal	10201297
CIE <sub>Lab</sub>	69.17, 4.54, -22.34
CIE <sub>LCh</sub>	69, 22.795, 281.479
Yxy	39.5773, 0.2701, 0.2739
Android (android.graphics.Color)	4288391377 (0xFF9BA8D1)
YUV	168.7870, 19.8250, -12.0912
Hunter-Lab	62.9105, 0.6456, -18.0736

# Details

The XYZ color **39.0288, 39.5773, 65.9037** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **51.9512, 55.4018, 38.9669**, and the grayscale version is **37.5205, 39.4744, 42.9877**.

A 20% lighter version of the original color is **71.0160, 73.6970, 105.0897**, and **17.6716, 17.7074, 33.0583** is the 20% darker color. If you saturate the color by 10%, you get **32.6068, 32.1808, 64.8152**, and if you desaturate by 10%, it is **46.5050, 48.0499, 67.1457**.

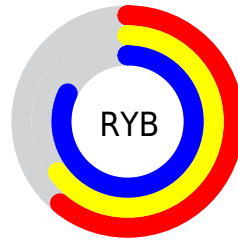
# Distribution



Red (61%)

Green (66%)

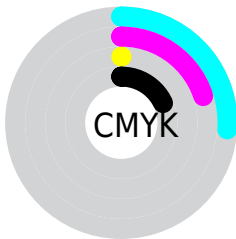
Blue (82%)



Red (61%)

Yellow (65%)

Blue (82%)

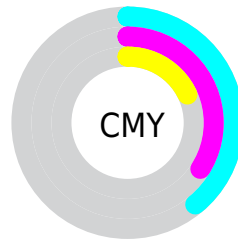


Cyan (26%)

Magenta (20%)

Yellow (0%)

Black (18%)



Cyan (39%)

Magenta (34%)

Yellow (18%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 39.0288, 39.5773, 65.9037 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 39.0288, 39.5773, 65.9037 by changing the saturation by 10% instead.



■ 39.0288, 39.5773,  
65.9037

■ 39.0288, 39.5773,  
65.9037

333.2180,  
344.3387, 464.4272

■ 26.9630, 27.2091,  
47.7382

■ 72.9761, 74.5194,  
114.9738

■ 17.6818, 17.7303,  
33.2611

■ 95.5883, 97.8621,  
146.7155

■ 10.8201, 10.7566,  
22.0538

122.4466,  
125.6318, 183.8197

■ 6.0124, 5.9034,  
13.6977

153.9164,  
158.2129, 226.7050

■ 2.8934, 2.7864,  
7.7744

190.3631,  
195.9897, 275.7898

■ 1.0976, 1.0213,  
3.8652

232.1521,

■ 0.0231, 0.0000,

239.3467, 331.4928

1.5517

279.6485,  
288.6682, 394.2324

■ 0.0000, 0.0000,  
0.2560

■ 0.0000, 0.0000,  
0.0000

■ 39.0288, 39.5773,  
65.9037

■ 39.0288, 39.5773,  
65.9037

■ 32.6068, 32.1808,  
64.8152

■ 46.5050, 48.0499,  
67.1457

■ 27.1867, 25.8114,  
63.8714

■ 55.0770, 57.6352,  
68.5441

■ 22.7172, 20.4237,  
63.0671

■ 64.7888, 68.3740,  
70.1050

■ 19.1409, 15.9663,  
62.3952

■ 75.6806, 80.3036,  
71.8336

■ 16.3935, 12.3833,  
61.8484

■ 86.1147, 92.5953,  
73.6562

■ 14.4018, 9.6118,  
61.4184

■ 88.5087, 97.3835,  
74.4542

■ 13.0772, 7.5788,  
61.0958

■ 12.6631, 6.9122,  
60.9890

# Harmonies

## Analogous

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



35.4347, 39.5773, 65.0603



39.0288, 39.5773, 65.9037



42.4518, 39.5773, 59.9448

# Triad

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



39.0288, 39.5773, 65.9037



43.1150, 39.5773, 31.1206



31.3562, 39.5773, 37.0272

# Complementary

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



39.0288, 39.5773, 65.9037



51.9512, 55.4018, 38.9669

# 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.



33.1641, 39.5773, 29.7384



39.0288, 39.5773, 65.9037



39.8872, 39.5773, 26.7275

# Square

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



39.0288, 39.5773, 65.9037



44.9106, 39.5773, 39.2214



36.2397, 39.5773, 26.2661



31.1593, 39.5773, 47.2112



# Rectangle

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



39.0288, 39.5773, 65.9037



44.1160, 39.5773, 53.4032



36.2397, 39.5773, 26.2661



31.7899, 39.5773, 34.2032

# Sweetspot

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



39.0301, 39.5789, 65.9046



83.1955, 86.8472, 106.9861



46.2258, 56.5330, 60.4031



17.3581, 18.0878, 22.8264



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.



39.0301, 39.5789, 65.9046



55.4544, 55.4668, 102.3911



39.4860, 36.4270, 65.2722



11.3915, 11.8733, 14.9350



7.8724, 4.3913, 37.6252



0.5034, 0.3720, 2.1248



# Inverse Universe

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



45.0847, 39.8262, 42.3585



66.6039, 56.2304, 58.9627



51.3527, 59.6370, 39.8159



11.9238, 11.8542, 12.8743



16.6043, 8.5146, 2.8226

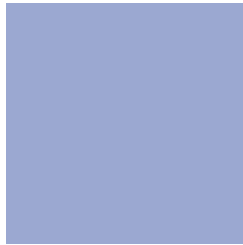


0.9603, 0.4888, 0.3258



# Previews

## White Background



This preview shows how the XYZ color 39.0288, 39.5773, 65.9037 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

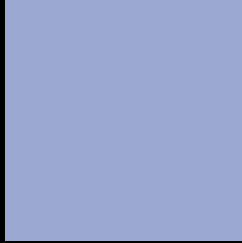
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 39.0288, 39.5773, 65.9037 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

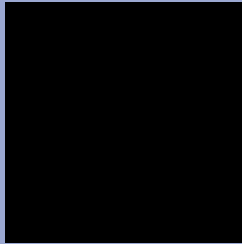
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 39.0288, 39.5773, 65.9037**

## **Background**



This preview shows how black text looks on a background with the XYZ color 39.0288, 39.5773, 65.9037.



This preview shows how white text looks on a background with the XYZ color 39.0288, 39.5773,



# 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

39.0288, 39.5773, 65.9037

### Protanopia

39.5020, 39.5624, 65.2288

### Deuteranopia

40.3978, 39.4559, 66.4593



## Tritanopia

36.1931, 39.5342, 52.1777

# Trichromacy



## Original Color

39.0288, 39.5773, 65.9037

## Protanomaly

39.3044, 39.4606, 65.2196

## Deuteranomaly

39.9670, 39.5026, 66.4911

## Tritanomaly

37.2494, 39.6963, 56.7378

# Monochromacy



## Original Color

39.0288, 39.5773, 65.9037

## Achromatopsia

37.7116, 39.6755, 43.2066

## Achromatomaly

38.1495, 39.7291, 51.0052

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 39.0288, 39.5773, 65.9037 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(155, 168, 209)` looks like.

```
.text, #text, p{  
    color:rgb(155, 168, 209)  
}
```

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(155, 168, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(155, 168, 209) }
```

## Border

The CSS property to change the border of an element to XYZ 39.0288, 39.5773, 65.9037 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(155, 168, 209) }
```



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

```
.border{ border-color:rgb(155, 168, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(155, 168, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(155, 168, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(155, 168, 209);  
box-shadow:4px 4px 4px 4px rgb(155, 168,  
209) }
```

# Background

The CSS property to change the background color of an element to XYZ 39.0288, 39.5773, 65.9037 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(155, 168, 209) }
```

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

```
.background{ background-color: rgb(155,  
168, 209) }
```

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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