

# Converting Colors

XYZ(35.6156, 39.0213, 96.9221)

Have a look what the booklet for  
XYZ(35.6156, 39.0213, 96.9221)  
contains.

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# Color

**XYZ(35.6442, 39.1208,  
96.9392)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	4BAFFB
RGB	75, 175, 251
RGB Percent	29%, 69%, 98%
CMY	0.7058, 0.3137, 0.0157
CMYK	0.70, 0.30, 0.00, 0.02
HSL	206°, 96%, 64%
HSV	206°, 70%, 98%
XYZ	35.6442, 39.1208, 96.9392
YIQ	153.7640, -83.9960, 2.4360

# Conversions

## Conversions Part 2

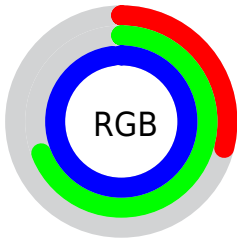
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	75, 139, 251
Decimal	4960251
CIE Lab	68.84, -5.12, -46.13
CIE LCh	69, 46.411, 263.671
Yxy	39.1208, 0.2076, 0.2278
Android (android.graphics.Color)	4283150331 (0xFF4BAFFB)
YUV	153.7640, 47.9373, -69.0760
Hunter-Lab	62.5466, -7.7326, -48.1092

# Details

The XYZ color **35.6442, 39.1208, 96.9392** is a light color, and the websafe version is hex **3399CC**. The color can be described as light washed azure. A complement of this color would be **52.1227, 43.1542, 12.2411**, and the grayscale version is **30.4368, 32.0219, 34.8718**.

A 20% lighter version of the original color is **57.5021, 69.5644, 105.0043**, and **16.8206, 18.0610, 53.6385** is the 20% darker color. If you saturate the color by 10%, you get **32.0284, 34.2502, 96.1905**, and if you desaturate by 10%, it is **40.2061, 44.7317, 97.7826**.

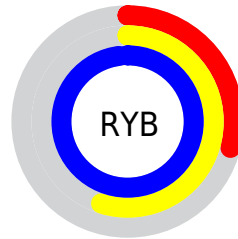
# Distribution



Red (29%)

Green (69%)

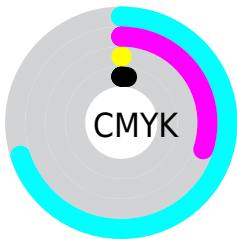
Blue (98%)



Red (29%)

Yellow (55%)

Blue (98%)

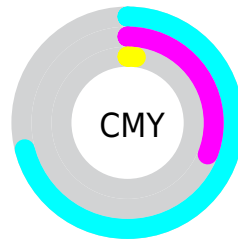


Cyan (70%)

Magenta (30%)

Yellow (0%)

Black (2%)



Cyan (71%)

Magenta (31%)

Yellow (2%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 35.6442, 39.1208, 96.9392 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 35.6442, 39.1208, 96.9392 by changing the saturation by 10% instead.



■ 35.6442, 39.1208,  
96.9392

■ 35.6442, 39.1208,  
96.9392

318.8612,  
342.4038, 571.4968

■ 24.3284, 26.8537,  
73.1442

■ 67.8100, 73.8228,  
158.9595

■ 15.7034, 17.4634,  
53.6014

■ 89.3907, 97.0266,  
198.0220

■ 9.4041, 10.5654,  
37.8921

■ 115.1237,  
124.6446, 243.0107

■ 5.0649, 5.7754,  
25.5977

■ 145.3744,  
157.0614, 294.3442

■ 2.3205, 2.7090,  
16.2999

180.5082,  
194.6613, 352.4410

■ 0.8051, 0.9818,  
9.5800

220.8903,

■ 0.0000, 0.0000,

237.8288, 417.7197

5.0194

266.8862,  
286.9481, 490.5988

■ 0.0000, 0.0000,  
2.1997

■ 0.0000, 0.0000,  
0.6742

■ 35.6442, 39.1208,  
96.9392

■ 35.6442, 39.1208,  
96.9392

■ 32.0284, 34.2502,  
96.1905

■ 40.2061, 44.7317,  
97.7826

■ 29.2533, 30.0579,  
95.5275

■ 45.7949, 51.1285,  
98.7227

■ 27.1766, 26.4928,  
94.9489

■ 52.4868, 58.3566,  
99.7652

■ 60.3491, 66.4559,  
100.9141

■ 69.4433, 75.4633,  
102.1734

■ 79.8263, 85.4133,  
103.5467

■ 91.5514, 96.3380,  
105.0374

■ 94.4127, 99.7451,  
105.5442

# Harmonies

## Analogous

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



29.4108, 39.1208, 84.3221



35.6442, 39.1208, 96.9392



43.1617, 39.1208, 91.5670

# Triad

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



35.6442, 39.1208, 96.9392



51.7151, 39.1208, 28.3030



26.9039, 39.1208, 22.8078

# Complementary

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



35.6442, 39.1208, 96.9392



52.1227, 43.1542, 12.2411

# 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.



31.7838, 39.1208, 15.2072



35.6442, 39.1208, 96.9392



46.2168, 39.1208, 17.5693

# Square

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



35.6442, 39.1208, 96.9392



53.1040, 39.1208, 47.2237



38.7658, 39.1208, 13.6697



24.8123, 39.1208, 38.2807



# Rectangle

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



35.6442, 39.1208, 96.9392



47.8409, 39.1208, 79.1691



38.7658, 39.1208, 13.6697



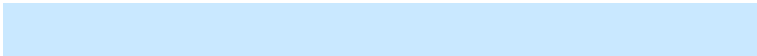
28.2389, 39.1208, 19.4842

# Sweetspot

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



35.6457, 39.1221, 96.9402



71.0800, 77.3429, 105.7901



42.7723, 72.6402, 39.9251



14.6354, 15.9868, 22.5643



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.



35.6457, 39.1221, 96.9402



31.9651, 33.7045, 99.4286



23.9443, 15.7194, 93.0397



17.1016, 18.2800, 22.0123



14.4326, 14.2208, 49.9578



1.4420, 1.5277, 4.6621



# Inverse Universe

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



50.0389, 28.6384, 43.4489



48.5922, 25.4585, 36.7689



71.1465, 81.2017, 18.5824



17.6578, 17.3905, 20.0538



23.5769, 11.8465, 15.0124



2.2368, 1.1185, 1.6704



# Previews

## White Background



This preview shows how the XYZ color 35.6442, 39.1208, 96.9392 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

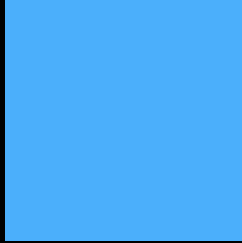
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 35.6442, 39.1208, 96.9392 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

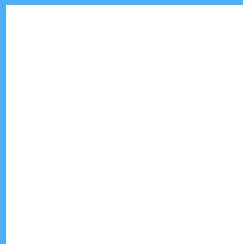
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 35.6442, 39.1208, 96.9392**

## **Background**



This preview shows how black text looks on a background with the XYZ color 35.6442, 39.1208, 96.9392.



This preview shows how white text looks on a background with the XYZ color 35.6442, 39.1208,



# 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

35.6442, 39.1208, 96.9392

### Protanopia

40.2870, 38.6244, 89.3363

### Deuteranopia

39.9700, 38.7999, 98.3110



## **Tritanopia**

28.4340, 39.2081, 60.7129

# Trichromacy



**Original Color**

35.6442, 39.1208, 96.9392

**Protanomaly**

37.8202, 38.3797, 91.8009

**Deuteranomaly**

37.8221, 38.5300, 97.5391

**Tritanomaly**

30.5767, 38.8152, 72.8984

# Monochromacy



**Original Color**

35.6442, 39.1208, 96.9392

**Achromatopsia**

30.7148, 32.3143, 35.1903

**Achromatomaly**

30.5631, 33.8748, 53.0717

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 35.6442, 39.1208, 96.9392 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(75, 175, 251)` looks like.

```
.text, #text, p{  
    color:rgb(75, 175, 251)  
}
```

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(75, 175, 251) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(75, 175, 251) }
```

## Border

The CSS property to change the border of an element to XYZ 35.6442, 39.1208, 96.9392 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(75, 175, 251) }
```



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

```
.border{ border-color:rgb(75, 175, 251) }
```

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

Here you see how a box with a 4 pixel rgb(75, 175, 251) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(75, 175, 251); -webkit-box-  
shadow:4px 4px 4px 4px rgb(75, 175, 251);  
box-shadow:4px 4px 4px 4px rgb(75, 175,  
251) }
```

# Background

The CSS property to change the background color of an element to XYZ 35.6442, 39.1208, 96.9392 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(75, 175, 251) }
```

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

```
.background{ background-color: rgb(75, 175,  
251) }
```

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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