

# Converting Colors

XYZ(33.7282, 35.3470, 79.3227)

Have a look what the booklet for  
XYZ(33.7282, 35.3470, 79.3227)  
contains.

<b>XYZ(33.7250, 35.4593, 79.1956)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(33.7250, 35.4593,  
79.1956)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	6DA4E5
RGB	109, 164, 229
RGB Percent	43%, 64%, 90%
CMY	0.5725, 0.3569, 0.1020
CMYK	0.52, 0.28, 0.00, 0.10
HSL	213°, 70%, 66%
HSV	213°, 52%, 90%
XYZ	33.7250, 35.4593, 79.1956
YIQ	154.9650, -53.6450, 8.5550

# Conversions

## Conversions Part 2

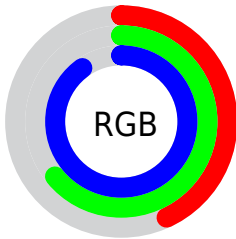
Format	Color
R <sub>YB</sub>	109, 147, 229
Decimal	7185637
CIE Lab	66.10, 0.08, -38.30
CIE LCh	66, 38.304, 270.115
Yxy	35.4593, 0.2273, 0.2390
Android (android.graphics.Color)	4285375717 (0xFF6DA4E5)
YUV	154.9650, 36.4993, -40.3113
Hunter-Lab	59.5477, -3.1146, -37.1695

# Details

The XYZ color **33.7250, 35.4593, 79.1956** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **50.2109, 48.0361, 21.0951**, and the grayscale version is **31.0021, 32.6167, 35.5195**.

A 20% lighter version of the original color is **59.3179, 66.0985, 104.2396**, and **14.6202, 15.4317, 41.7432** is the 20% darker color. If you saturate the color by 10%, you get **29.1536, 29.9669, 78.3771**, and if you desaturate by 10%, it is **39.2492, 41.7656, 80.1224**.

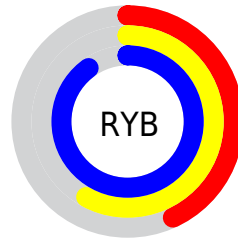
# Distribution



Red (43%)

Green (64%)

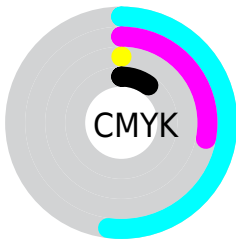
Blue (90%)



Red (43%)

Yellow (58%)

Blue (90%)

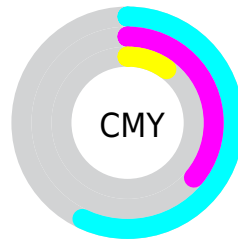


Cyan (52%)

Magenta (28%)

Yellow (0%)

Black (10%)



Cyan (57%)

Magenta (36%)

Yellow (10%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 33.7250, 35.4593, 79.1956 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 33.7250, 35.4593, 79.1956 by changing the saturation by 10% instead.



■ 33.7250, 35.4593,  
79.1956

■ 33.7250, 35.4593,  
79.1956

310.5116,  
326.5910, 511.8529

■ 22.8443, 24.0169,  
58.5344

■ 64.8529, 68.1967,  
134.0354

■ 14.5986, 15.3462,  
41.8209

■ 85.8309, 90.2605,  
169.0510

■ 8.6227, 9.0627,  
28.6365

■ 110.9053,  
116.6335, 209.6884

■ 4.5510, 4.7821,  
18.5628

140.4415,  
147.7001, 256.3663

■ 2.0183, 2.1200,  
11.1812

174.8049,  
183.8448, 309.5032

■ 0.6442, 0.6758,  
6.0732

214.3608,

■ 0.0000, 0.0000,

225.4519, 369.5175

2.8201

259.4746,  
272.9059, 436.8279

■ 0.0000, 0.0000,  
1.0035

■ 0.0000, 0.0000,  
0.0000

■ 33.7250, 35.4593,  
79.1956

■ 33.7250, 35.4593,  
79.1956

■ 29.1536, 29.9669,  
78.3771

■ 39.2492, 41.7656,  
80.1224

■ 25.4667, 25.2421,  
77.6594

■ 45.7803, 48.9206,  
81.1592

■ 22.5922, 21.2388,  
77.0382

■ 53.3726, 56.9613,  
82.3111

■ 20.4423, 17.9018,  
76.5074

■ 62.0751, 65.9212,  
83.5818

■ 19.1902, 15.7516,  
76.1584

■ 71.9336, 75.8317,  
84.9751

■ 82.9912, 86.7227,  
86.4945

■ 89.8281, 95.8075,  
87.8877

■ 91.1430, 98.4372,  
88.3260

# Harmonies

## Analogous

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



28.5391, 35.4593, 72.6565



33.7250, 35.4593, 79.1956



39.4973, 35.4593, 72.5605

# Triad

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



33.7250, 35.4593, 79.1956



44.0832, 35.4593, 24.9223



25.0773, 35.4593, 25.0039

# Complementary

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



33.7250, 35.4593, 79.1956



50.2109, 48.0361, 21.0951

# 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.



28.5050, 35.4593, 17.3489



33.7250, 35.4593, 79.1956



39.4550, 35.4593, 17.3120

# Square

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



33.7250, 35.4593, 79.1956



45.8736, 35.4593, 38.5462



33.6810, 35.4593, 14.9836



23.9013, 35.4593, 38.6722



# Rectangle

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



33.7250, 35.4593, 79.1956



42.8170, 35.4593, 62.3954



33.6810, 35.4593, 14.9836



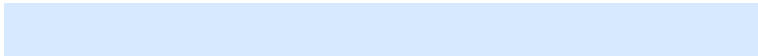
25.9838, 35.4593, 21.7972

# Sweetspot

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



33.7263, 35.4606, 79.1965



74.9505, 79.7673, 106.0541



41.8701, 62.3080, 49.3566



15.5486, 16.5653, 22.6279



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.



33.7263, 35.4606, 79.1965



36.7010, 37.6161, 99.9340



26.4230, 20.1067, 76.6178



14.1243, 14.9701, 18.2894



11.0893, 9.2406, 43.5823



0.9114, 0.8668, 3.2512



# Inverse Universe

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



44.4837, 30.2771, 38.6227



52.3399, 32.1542, 40.4838



61.8319, 73.1511, 25.3303



14.6503, 14.4773, 16.3591



19.9909, 10.1306, 8.8468

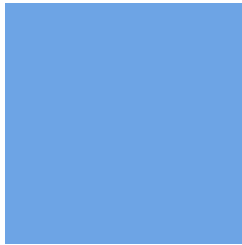


1.5237, 0.7672, 0.8982



# Previews

## White Background



This preview shows how the XYZ color 33.7250, 35.4593, 79.1956 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

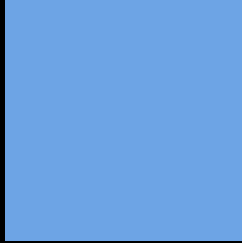
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 33.7250, 35.4593, 79.1956 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

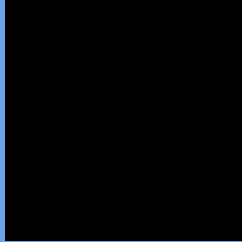
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

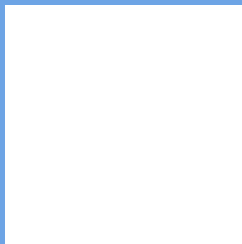
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 33.7250, 35.4593, 79.1956**

## **Background**



This preview shows how black text looks on a background with the XYZ color 33.7250, 35.4593, 79.1956.



This preview shows how white text looks on a background with the XYZ color 33.7250, 35.4593,



# 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

33.7250, 35.4593, 79.1956

### Protanopia

36.4966, 35.4110, 75.4324

### Deuteranopia

36.3539, 35.4960, 79.7983



## Tritanopia

28.2315, 35.4299, 51.8051

# Trichromacy



## Original Color

33.7250, 35.4593, 79.1956

## Protanomaly

35.3515, 35.2997, 76.9018

## Deuteranomaly

35.3400, 35.4880, 79.8502

## Tritanomaly

29.9942, 35.2929, 61.1085

# Monochromacy



## Original Color

33.7250, 35.4593, 79.1956

## Achromatopsia

31.1553, 32.7778, 35.6950

## Achromatomaly

31.1516, 33.2344, 49.0290

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 33.7250, 35.4593, 79.1956 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(109, 164, 229)` looks like.

```
.text, #text, p{  
    color:rgb(109, 164, 229)  
}
```

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(109, 164, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 164, 229) }
```

## Border

The CSS property to change the border of an element to XYZ 33.7250, 35.4593, 79.1956 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".

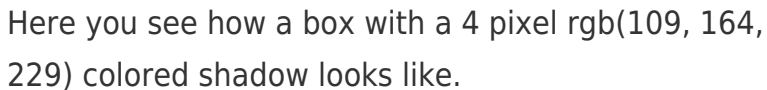
```
.border, #border, table{ border:4px solid rgb(109, 164, 229) }
```



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

```
.border{ border-color:rgb(109, 164, 229) }
```

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



Here you see how a box with a 4 pixel `rgb(109, 164, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(109, 164, 229); -webkit-box-shadow:4px 4px 4px 4px rgb(109, 164, 229); box-shadow:4px 4px 4px 4px rgb(109, 164, 229) }
```

# Background

The CSS property to change the background color of an element to XYZ 33.7250, 35.4593, 79.1956 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 164, 229) }
```

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

```
.background{ background-color: rgb(109,  
164, 229) }
```

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