

# Converting Colors

XYZ(35.7067, 40.2867, 69.5124)

Have a look what the booklet for  
XYZ(35.7067, 40.2867, 69.5124)  
contains.

<b>XYZ(35.7449, 40.3643, 69.5255)</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(35.7449, 40.3643,  
69.5255)**

# Conversions

## Conversions Part 1

Format	Color
Hex	79B1D6
RGB	121, 177, 214
RGB Percent	47%, 69%, 84%
CMY	0.5255, 0.3059, 0.1608
CMYK	0.43, 0.17, 0.00, 0.16
HSL	204°, 53%, 66%
HSV	204°, 43%, 84%
XYZ	35.7449, 40.3643, 69.5255
YIQ	164.4740, -45.2530, -0.3650

# Conversions

## Conversions Part 2

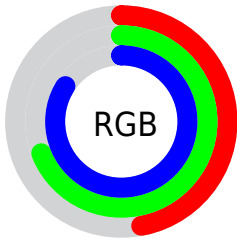
Format	Color
<b>RYB</b>	121, 156, 214
Decimal	7975382
CIELab	69.73, -8.61, -24.42
CIELCh	70, 25.890, 250.573
Yxy	40.3643, 0.2454, 0.2772
Android (android.graphics.Color)	4286165462 (0xFF79B1D6)
YUV	164.4740, 24.4163, -38.1267
Hunter-Lab	63.5329, -10.7549, -20.4094

# Details

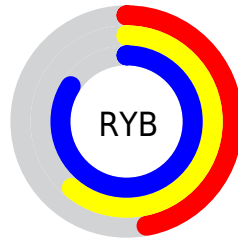
The XYZ color **35.7449, 40.3643, 69.5255** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **43.4105, 40.1313, 23.5486**, and the grayscale version is **35.4162, 37.2606, 40.5768**.

A 20% lighter version of the original color is **65.3204, 74.8449, 105.6115**, and **15.7124, 18.0768, 35.4619** is the 20% darker color. If you saturate the color by 10%, you get **31.4427, 35.7282, 68.8581**, and if you desaturate by 10%, it is **40.8198, 45.5563, 70.2609**.

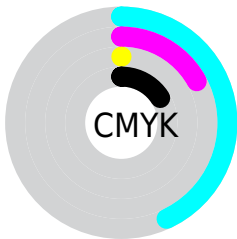
# Distribution



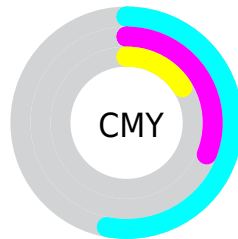
- Red (47%)
- Green (69%)
- Blue (84%)



- Red (47%)
- Yellow (61%)
- Blue (84%)



- Cyan (43%)
- Magenta (17%)
- Yellow (0%)
- Black (16%)



- Cyan (53%)
- Magenta (31%)
- Yellow (16%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 35.7449, 40.3643, 69.5255 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 35.7449, 40.3643, 69.5255 by changing the saturation by 10% instead.



■ 35.7449, 40.3643,  
69.5255

■ 35.7449, 40.3643,  
69.5255

319.2949,  
347.6567, 477.6262

■ 24.4064, 27.8227,  
50.6654

■ 67.9646, 75.7179,  
120.2066

■ 15.7618, 18.1920,  
35.5675

■ 89.5765, 99.2988,  
152.8647

■ 9.4455, 11.0880,  
23.8133

■ 115.3437,  
127.3281, 190.9591

■ 5.0923, 6.1260,  
14.9843

145.6314,  
160.1904, 234.9085

■ 2.3368, 2.9219,  
8.6618

180.8050,  
198.2700, 285.1314

■ 0.8134, 1.0911,  
4.4275

221.2299,

■ 0.0000, 0.0000,

241.9513, 342.0463

1.8627

267.2714,  
291.6187, 406.0717

■ 0.0000, 0.0000,  
0.4688

■ 0.0000, 0.0000,  
0.0000

■ 35.7449, 40.3643,  
69.5255

■ 35.7449, 40.3643,  
69.5255

■ 31.4427, 35.7282,  
68.8581

■ 40.8198, 45.5563,  
70.2609

■ 27.8629, 31.6165,  
68.2532

■ 46.7058, 51.3241,  
71.0640

■ 24.9550, 28.0013,  
67.7086

■ 53.4432, 57.6919,  
71.9380

■ 22.6593, 24.8488,  
67.2211

■ 61.0683, 64.6811,  
72.8852

■ 20.9041, 22.1189,  
66.7867

■ 69.6152, 72.3120,  
73.9076

■ 19.9699, 20.5195,  
66.5272

■ 79.1162, 80.6035,  
75.0072

■ 83.5462, 86.4520,  
75.9027

■ 86.0646, 91.4888,  
76.7421

■ 88.7015, 96.7626,  
77.6211

# Harmonies

## Analogous

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



32.5600, 40.3643, 60.7472



35.7449, 40.3643, 69.5255



39.8638, 40.3643, 70.7859

# Triad

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



35.7449, 40.3643, 69.5255



46.8507, 40.3643, 39.8471



33.3555, 40.3643, 28.6380

# Complementary

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



35.7449, 40.3643, 69.5255



43.4105, 40.1313, 23.5486

# 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.



36.9044, 40.3643, 24.9319



35.7449, 40.3643, 69.5255



44.8221, 40.3643, 30.5751

# Square

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



35.7449, 40.3643, 69.5255



46.4835, 40.3643, 52.0876



41.1102, 40.3643, 25.5697



31.2516, 40.3643, 36.7071



# Rectangle

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



35.7449, 40.3643, 69.5255



42.6146, 40.3643, 66.9835



41.1102, 40.3643, 25.5697



34.4079, 40.3643, 26.9136

# Sweetspot

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



35.7462, 40.3658, 69.5265



79.8244, 86.1181, 107.0230



37.9888, 54.5814, 40.2762



16.5815, 17.9626, 22.8431



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.



35.7462, 40.3658, 69.5265



47.3112, 53.7436, 102.4877



28.2549, 25.3832, 67.0293



12.3584, 13.2402, 15.8418



12.1746, 12.6110, 40.2457



0.8142, 0.9204, 2.4540



# Inverse Universe

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



42.5059, 31.1465, 45.3682



58.9386, 39.5535, 60.5583



52.5750, 58.4603, 26.6034



12.7341, 12.5451, 14.5400



19.2040, 9.6179, 13.6444



1.1986, 0.5962, 1.0353



# Previews

## White Background



This preview shows how the XYZ color 35.7449, 40.3643, 69.5255 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

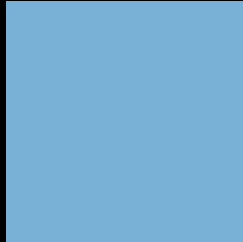
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 35.7449, 40.3643, 69.5255 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 35.7449, 40.3643, 69.5255**

## **Background**



This preview shows how black text looks on a background with the XYZ color 35.7449, 40.3643, 69.5255.



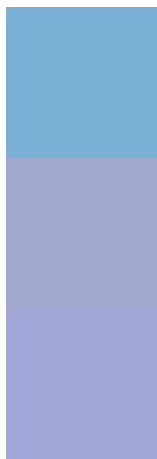
This preview shows how white text looks on a background with the XYZ color 35.7449, 40.3643,



# 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

35.7449, 40.3643, 69.5255

### Protanopia

40.0857, 40.1364, 65.3089

### Deuteranopia

41.1137, 40.2767, 70.5730



## Tritanopia

33.3740, 40.2957, 57.6486

# Trichromacy



## Original Color

35.7449, 40.3643, 69.5255

## Protanomaly

38.0498, 39.8900, 66.6669

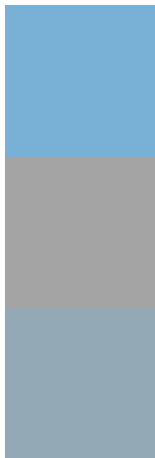
## Deuteranomaly

38.8613, 40.2352, 70.0079

## Tritanomaly

34.2520, 40.3560, 61.8613

# Monochromacy



## Original Color

35.7449, 40.3643, 69.5255

## Achromatopsia

35.2861, 37.1238, 40.4278

## Achromatomaly

34.8442, 38.0492, 49.7637

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 35.7449, 40.3643, 69.5255 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(121, 177, 214)` looks like.

```
.text, #text, p{  
    color:rgb(121, 177, 214)  
}
```

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(121, 177, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(121, 177, 214) }
```

## Border

The CSS property to change the border of an element to XYZ 35.7449, 40.3643, 69.5255 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(121, 177, 214) }
```



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

```
.border{ border-color:rgb(121, 177, 214) }
```

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

Here you see how a box with a 4 pixel `rgb(121, 177, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(121, 177, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(121, 177, 214);  
box-shadow:4px 4px 4px 4px rgb(121, 177,  
214) }
```

# Background

The CSS property to change the background color of an element to XYZ 35.7449, 40.3643, 69.5255 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(121, 177, 214) }
```

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

```
.background{ background-color: rgb(121,  
177, 214) }
```

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