

Converting Colors

XYZ(35.7442, 39.2298, 81.2895)

Have a look what the booklet for
XYZ(35.7442, 39.2298, 81.2895)
contains.

- XYZ(35.7442, 39.2298, 81.2895) 3**
- Conversions* 4**
- Details* 6**
- Harmonies* 12**
- Previews* 24**
- Color Blindness Simulation* 28**
- CSS Examples* 31**

Color

**XYZ(35.7442, 39.2298,
81.2895)**

Conversions

Conversions Part 1

Format	Color
Hex	6CAEE7
RGB	108, 174, 231
RGB Percent	42%, 68%, 91%
CMY	0.5764, 0.3176, 0.0941
CMYK	0.53, 0.25, 0.00, 0.09
HSL	208°, 72%, 66%
HSV	208°, 53%, 91%
XYZ	35.7442, 39.2298, 81.2895
YIQ	160.7640, -57.6330, 3.7350

Conversions

Conversions Part 2

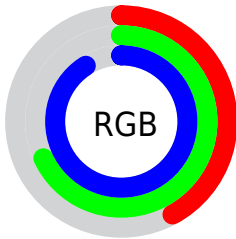
Format	Color
R _Y B	108, 151, 231
Decimal	7122663
CIE Lab	68.92, -5.12, -35.03
CIE LCh	69, 35.398, 261.686
Yxy	39.2298, 0.2287, 0.2510
Android (android.graphics.Color)	4285312743 (0xFF6CAEE7)
YUV	160.7640, 34.6263, -46.2740
Hunter-Lab	62.6337, -7.7414, -33.1063

Details

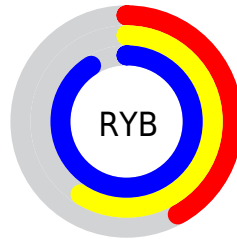
The XYZ color **35.7442, 39.2298, 81.2895** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **49.1183, 44.9837, 20.2828**, and the grayscale version is **33.6317, 35.3832, 38.5323**.

A 20% lighter version of the original color is **61.7952, 71.3656, 105.1257**, and **15.7796, 17.5721, 43.1175** is the 20% darker color. If you saturate the color by 10%, you get **31.3118, 33.9967, 80.5138**, and if you desaturate by 10%, it is **41.0883, 45.1791, 82.1569**.

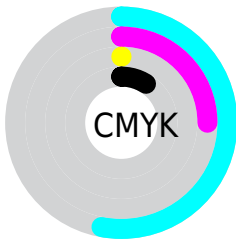
Distribution



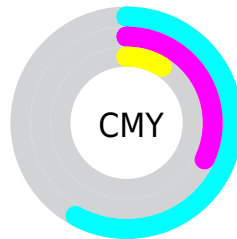
- Red (42%)
- Green (68%)
- Blue (91%)



- Red (42%)
- Yellow (59%)
- Blue (91%)



- Cyan (53%)
- Magenta (25%)
- Yellow (0%)
- Black (9%)



- Cyan (58%)
- Magenta (32%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 35.7442, 39.2298, 81.2895 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 35.7442, 39.2298, 81.2895 by changing the saturation by 10% instead.

■ 35.7442, 39.2298,
81.2895

■ 35.7442, 39.2298,
81.2895

319.2919,
342.8665, 519.0889

■ 24.4059, 26.9385,
60.2477

■ 67.9635, 73.9892,
137.0049

■ 15.7613, 17.5271,
43.1917

■ 89.5752, 97.2262,
172.5156

■ 9.4452, 10.6110,
29.7030

■ 115.3421,
124.8806, 213.6863

■ 5.0921, 5.8059,
19.3632

145.6296,
157.3367, 260.9355

■ 2.3367, 2.7274,
11.7535

180.8029,
194.9789, 314.6818

■ 0.8134, 0.9911,
6.4556

221.2275,

■ 0.0000, 0.0000,

238.1917, 375.3438

3.0508

267.2687,
287.3594, 443.3400

■ 0.0000, 0.0000,
1.1206

■ 0.0000, 0.0000,
0.0000

■ 35.7442, 39.2298,
81.2895

■ 35.7442, 39.2298,
81.2895

■ 31.3118, 33.9967,
80.5138

■ 41.0883, 45.1791,
82.1569

■ 27.7230, 29.4368,
79.8228

■ 47.3973, 51.8753,
83.1169

■ 24.9058, 25.5078,
79.2129

■ 54.7249, 59.3520,
84.1738

■ 22.7718, 22.1580,
78.6788

■ 63.1192, 67.6393,
85.3310

■ 21.6254, 20.1726,
78.3560

■ 72.6253, 76.7654,
86.5915

■ 83.2854, 86.7570,
87.9582

■ 89.5204, 94.7425,
89.1710

■ 91.4239, 98.5496,
89.8055

Harmonies

Analogous

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



30.9740, 39.2298, 71.9265



35.7442, 39.2298, 81.2895



41.4287, 39.2298, 78.4558

Triad

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



35.7442, 39.2298, 81.2895



48.2695, 39.2298, 32.2587



29.4265, 39.2298, 26.2419

Complementary

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



35.7442, 39.2298, 81.2895



49.1183, 44.9837, 20.2828

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.



33.4305, 39.2298, 19.9090



35.7442, 39.2298, 81.2895



44.4038, 39.2298, 22.7255

Square

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



35.7442, 39.2298, 81.2895



49.0480, 39.2298, 47.3531



38.8730, 39.2298, 18.8075



27.5742, 39.2298, 38.3893

Rectangle

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



35.7442, 39.2298, 81.2895



44.9538, 39.2298, 70.2810



38.8730, 39.2298, 18.8075



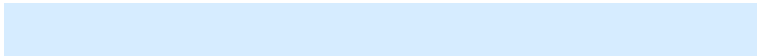
30.5451, 39.2298, 23.5034

Sweetspot

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



35.7456, 39.2312, 81.2905



75.8621, 81.5904, 106.3579



41.4038, 62.9979, 44.7943



15.7655, 16.9992, 22.7002



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.



35.7456, 39.2312, 81.2905



38.6380, 41.8738, 100.6537



26.6439, 21.0278, 78.2566



14.2201, 15.1616, 18.3213



12.2490, 11.5601, 43.9689



0.9979, 1.0398, 3.2801

Inverse Universe

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



45.9587, 30.7715, 43.5630



53.2240, 32.1494, 46.2445



62.5474, 71.8420, 24.7592



14.6987, 14.4967, 16.6137



20.5762, 10.3647, 11.9293



1.5673, 0.7846, 1.1281

Previews

White Background



This preview shows how the XYZ color 35.7442, 39.2298, 81.2895 looks on a white background.

Color Contrast Check

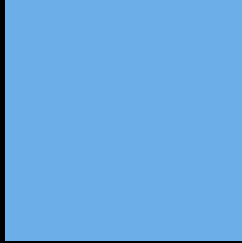
Large Text (above 18pt) WCAG AA × Fail

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 35.7442, 39.2298, 81.2895 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 35.7442, 39.2298, 81.2895

Background



This preview shows how black text looks on a background with the XYZ color 35.7442, 39.2298, 81.2895.



This preview shows how white text looks on a background with the XYZ color 35.7442, 39.2298,

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

35.7442, 39.2298, 81.2895

Protanopia

39.6722, 38.8714, 75.9330

Deuteranopia

39.8402, 38.8132, 82.4827



Tritanopia

31.0935, 39.4208, 57.5999

Trichromacy



Original Color

35.7442, 39.2298, 81.2895

Protanomaly

37.8594, 38.7022, 78.1479

Deuteranomaly

38.0838, 38.7370, 81.8137

Tritanomaly

32.5611, 39.1042, 65.5062

Monochromacy



Original Color

35.7442, 39.2298, 81.2895

Achromatopsia

33.8758, 35.6400, 38.8120

Achromatomaly

33.6545, 36.5684, 51.7390

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.7442, 39.2298, 81.2895 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(108, 174, 231)` looks like.

```
.text, #text, p{  
    color:rgb(108, 174, 231)  
}
```

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(108, 174, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(108, 174, 231) }
```

Border

The CSS property to change the border of an element to XYZ 35.7442, 39.2298, 81.2895 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(108, 174, 231) }
```


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

```
.border{ border-color:rgb(108, 174, 231) }
```

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

Here you see how a box with a 4 pixel `rgb(108, 174, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(108, 174, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(108, 174, 231);  
box-shadow:4px 4px 4px 4px rgb(108, 174,  
231) }
```

Background

The CSS property to change the background color of an element to XYZ 35.7442, 39.2298, 81.2895 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(108, 174, 231) }
```

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

```
.background{ background-color: rgb(108,  
174, 231) }
```

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