

Converting Colors

XYZ(35.6137, 39.9065, 77.7196)

Have a look what the booklet for
XYZ(35.6137, 39.9065, 77.7196)
contains.

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Color

**XYZ(35.5595, 39.7929,
77.7581)**

Conversions

Conversions Part 1

Format	Color
Hex	6DB0E2
RGB	109, 176, 226
RGB Percent	43%, 69%, 89%
CMY	0.5725, 0.3098, 0.1137
CMYK	0.52, 0.22, 0.00, 0.11
HSL	206°, 67%, 66%
HSV	206°, 52%, 89%
XYZ	35.5595, 39.7929, 77.7581
YIQ	161.6670, -55.9820, 1.3460

Conversions

Conversions Part 2

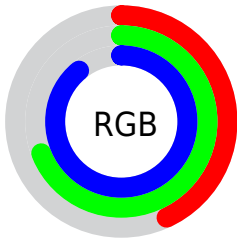
Format	Color
RYB	109, 152, 226
Decimal	7188706
CIELab	69.32, -7.48, -31.66
CIElCh	69, 32.535, 256.700
Yxy	39.7929, 0.2322, 0.2599
Android (android.graphics.Color)	4285378786 (0xFF6DB0E2)
YUV	161.6670, 31.7162, -46.1890
Hunter-Lab	63.0816, -9.7713, -28.9272

Details

The XYZ color **35.5595, 39.7929, 77.7581** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **46.5238, 42.0708, 20.1380**, and the grayscale version is **34.0635, 35.8375, 39.0270**.

A 20% lighter version of the original color is **62.8430, 73.1487, 105.4147**, and **15.6356, 17.9219, 40.6654** is the 20% darker color. If you saturate the color by 10%, you get **31.3017, 34.8867, 77.0363**, and if you desaturate by 10%, it is **40.6693, 45.3400, 78.5602**.

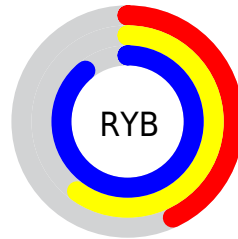
Distribution



Red (43%)

Green (69%)

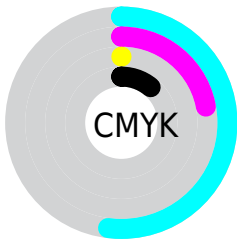
Blue (89%)



Red (43%)

Yellow (60%)

Blue (89%)

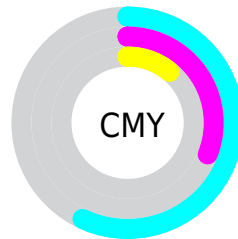


Cyan (52%)

Magenta (22%)

Yellow (0%)

Black (11%)



Cyan (57%)

Magenta (31%)

Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 35.5595, 39.7929, 77.7581 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 35.5595, 39.7929, 77.7581 by changing the saturation by 10% instead.

■ 35.5595, 39.7929,
77.7581

■ 35.5595, 39.7929,
77.7581

318.4960,
345.2499, 506.8511

■ 24.2627, 27.3771,
57.3600

■ 67.6799, 74.8480,
131.9918

■ 15.6544, 17.8566,
40.8831

■ 89.2343, 98.2562,
166.6646

■ 9.3692, 10.8471,
27.9087

■ 114.9386,
126.0972, 206.9326

■ 5.0418, 5.9641,
18.0184

145.1581,
158.7556, 253.2144

■ 2.3068, 2.8233,
10.7936

180.2583,
196.6156, 305.9287

■ 0.7982, 1.0402,
5.8158

220.6044,

■ 0.0000, 0.0000,

240.0618, 365.4938

2.6664

266.5619,
289.4784, 432.3284

■ 0.0000, 0.0000,
0.9265

■ 0.0000, 0.0000,
0.0000

■ 35.5595, 39.7929,
77.7581

■ 35.5595, 39.7929,
77.7581

■ 31.3017, 34.8867,
77.0363

■ 40.6693, 45.3400,
78.5602

■ 27.8333, 30.5825,
76.3883

■ 46.6799, 51.5547,
79.4430

■ 25.0884, 26.8429,
75.8111

■ 53.6408, 58.4672,
80.4104

■ 22.9869, 23.6222,
75.3002

■ 61.5964, 66.1043,
81.4652

■ 21.6332, 21.3022,
74.9238

■ 70.5884, 74.4910,
82.6100

■ 80.6557, 83.6511,
83.8475

■ 87.2011, 91.2181,
84.9631

■ 90.1777, 97.1712,
85.9553

■ 90.7276, 98.2710,
86.1386

Harmonies

Analogous

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



31.3471, 39.7929, 67.7980



35.5595, 39.7929, 77.7581



40.7805, 39.7929, 77.1078

Triad

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



35.5595, 39.7929, 77.7581



48.2742, 39.7929, 35.5804



30.9768, 39.7929, 26.4513

Complementary

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



35.5595, 39.7929, 77.7581



46.5238, 42.0708, 20.1380

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.



35.0101, 39.7929, 21.2136



35.5595, 39.7929, 77.7581



45.1322, 39.7929, 25.5926

Square

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



35.5595, 39.7929, 77.7581



48.4558, 39.7929, 50.2831



40.1784, 39.7929, 20.9404



28.8701, 39.7929, 37.0453

Rectangle

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



35.5595, 39.7929, 77.7581



44.1437, 39.7929, 70.7056



40.1784, 39.7929, 20.9404



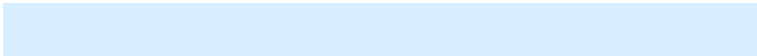
32.1346, 39.7929, 24.1241

Sweetspot

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



35.5608, 39.7944, 77.7591



76.2877, 82.4418, 106.4998



39.6544, 60.1050, 41.7481



15.8670, 17.2022, 22.7340



0.0000, 0.0000, 0.0000



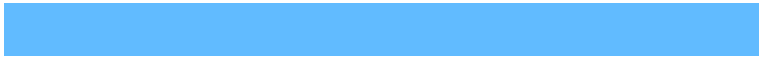
20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



35.5608, 39.7944, 77.7591



40.8320, 45.4817, 101.2345



26.6027, 21.8781, 74.7730



13.6004, 14.5399, 17.4774



12.4617, 12.3929, 42.7836



0.9521, 1.0356, 2.9950

Inverse Universe

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



44.6703, 30.2421, 44.5587



54.5218, 33.3975, 50.8313



58.7453, 66.5138, 24.2118



14.0345, 13.8314, 15.9520



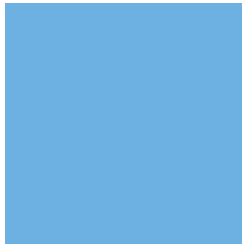
20.2303, 10.1591, 13.1443



1.4468, 0.7220, 1.1458

Previews

White Background



This preview shows how the XYZ color 35.5595, 39.7929, 77.7581 looks on a white background.

Color Contrast Check

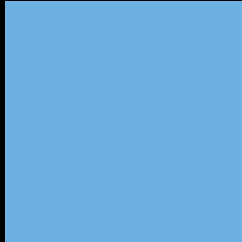
Large Text (above 18pt) WCAG AA × Fail

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 35.5595, 39.7929, 77.7581 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

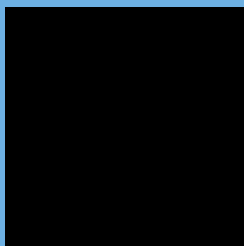
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

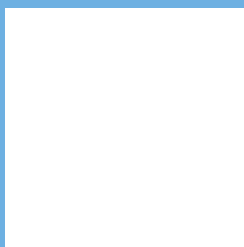
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 35.5595, 39.7929, 77.7581

Background



This preview shows how black text looks on a background with the XYZ color 35.5595, 39.7929, 77.7581.



This preview shows how white text looks on a background with the XYZ color 35.5595, 39.7929,

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

35.5595, 39.7929, 77.7581

Protanopia

40.1225, 39.7205, 72.5700

Deuteranopia

40.4023, 39.4532, 78.8846



Tritanopia

31.6333, 39.6859, 58.2175

Trichromacy



Original Color

35.5595, 39.7929, 77.7581

Protanomaly

38.0408, 39.4267, 74.7124

Deuteranomaly

38.3932, 39.5297, 78.2795

Tritanomaly

32.9761, 39.6288, 64.9426

Monochromacy



Original Color

35.5595, 39.7929, 77.7581

Achromatopsia

34.3422, 36.1307, 39.3463

Achromatomaly

33.9034, 36.9799, 51.2499

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.5595, 39.7929, 77.7581 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, 176, 226)` looks like.

```
.text, #text, p{  
    color:rgb(109, 176, 226)  
}
```

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, 176, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 176, 226) }
```

Border

The CSS property to change the border of an element to XYZ 35.5595, 39.7929, 77.7581 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, 176, 226) }
```


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

```
.border{ border-color:rgb(109, 176, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(109, 176, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(109, 176, 226); -webkit-box-shadow:4px 4px 4px 4px rgb(109, 176, 226); box-shadow:4px 4px 4px 4px rgb(109, 176, 226) }
```

Background

The CSS property to change the background color of an element to XYZ 35.5595, 39.7929, 77.7581 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 176, 226) }
```

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

```
.background{ background-color: rgb(109,  
176, 226) }
```

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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