

Converting Colors

XYZ(35.4786, 35.6220, 91.1709)

Have a look what the booklet for
XYZ(35.4786, 35.6220, 91.1709)
contains.

XYZ(35.4652, 35.5590, 91.3806)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(35.4652, 35.5590,
91.3806)**

Conversions

Conversions Part 1

Format	Color
Hex	6BA2F5
RGB	107, 162, 245
RGB Percent	42%, 64%, 96%
CMY	0.5804, 0.3647, 0.0392
CMYK	0.56, 0.34, 0.00, 0.04
HSL	216°, 87%, 69%
HSV	216°, 56%, 96%
XYZ	35.4652, 35.5590, 91.3806
YIQ	155.0170, -59.4230, 14.1530

Conversions

Conversions Part 2

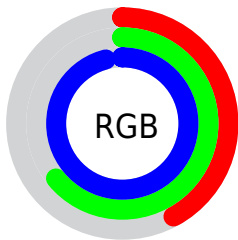
Format	Color
RYB	107, 146, 245
Decimal	7054069
CIELab	66.18, 5.73, -46.96
CIElCh	66, 47.308, 276.959
Yxy	35.5590, 0.2184, 0.2190
Android (android.graphics.Color)	4285244149 (0xFF6BA2F5)
YUV	155.0170, 44.3616, -42.1109
Hunter-Lab	59.6314, 1.8063, -49.1155

Details

The XYZ color **35.4652, 35.5590, 91.3806** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **58.7256, 57.3040, 21.8775**, and the grayscale version is **30.9934, 32.6075, 35.5095**.

A 20% lighter version of the original color is **58.7992, 65.0612, 104.0668**, and **15.5982, 15.4311, 49.7333** is the 20% darker color. If you saturate the color by 10%, you get **30.4806, 29.3595, 90.4474**, and if you desaturate by 10%, it is **41.5909, 42.7994, 92.4560**.

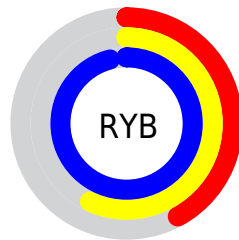
Distribution



Red (42%)

Green (64%)

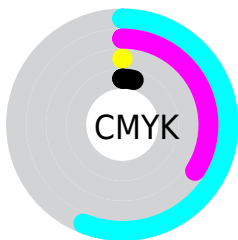
Blue (96%)



Red (42%)

Yellow (57%)

Blue (96%)

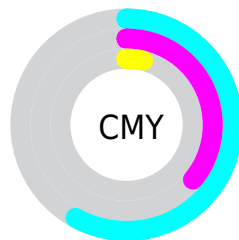


Cyan (56%)

Magenta (34%)

Yellow (0%)

Black (4%)



Cyan (58%)

Magenta (36%)

Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 35.4652, 35.5590, 91.3806 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 35.4652, 35.5590, 91.3806 by changing the saturation by 10% instead.

■ 35.4652, 35.5590,
91.3806

■ 35.4652, 35.5590,
91.3806

318.0891,
327.0289, 553.1973

■ 24.1896, 24.0938,
68.5461

■ 67.5351, 68.3508,
151.2069

■ 15.5998, 15.4032,
49.8727

■ 89.0601, 90.4463,
189.0357

■ 9.3305, 9.1029,
34.9418

■ 114.7324,
116.8539, 232.6998

■ 5.0162, 4.8083,
23.3348

144.9172,
147.9581, 282.6176

■ 2.2916, 2.1352,
14.6333

179.9799,
184.1434, 339.2078

■ 0.7904, 0.6843,
8.4187

220.2859,

■ 0.0000, 0.0000,

225.7940, 402.8887

4.2724

266.2005,
273.2943, 474.0790

■ 0.0000, 0.0000,
1.7760

■ 0.0000, 0.0000,
0.4120

■ 35.4652, 35.5590,
91.3806

■ 35.4652, 35.5590,
91.3806

■ 30.4806, 29.3595,
90.4474

■ 41.5909, 42.7994,
92.4560

■ 26.5502, 24.1390,
89.6469

■ 48.9277, 51.1300,
93.6773

■ 23.5793, 19.8327,
88.9723

■ 57.5443, 60.6008,
95.0512

■ 21.4503, 16.3627,
88.4147

■ 67.5028, 71.2574,
96.5832

■ 20.8157, 15.2608,
88.2355

■ 78.8610, 83.1424,
98.2786

■ 91.6733, 96.2965,
100.1423

■ 93.4816, 99.3726,
100.6408

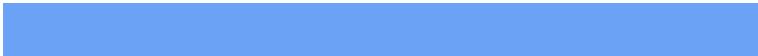
Harmonies

Analogous

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



28.7701, 35.5590, 86.4929



35.4652, 35.5590, 91.3806



42.6107, 35.5590, 78.7088

Triad

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



35.4652, 35.5590, 91.3806



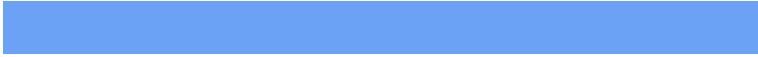
45.8138, 35.5590, 19.7682



22.8054, 35.5590, 25.4365

Complementary

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



35.4652, 35.5590, 91.3806



58.7256, 57.3040, 21.8775

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.



26.2924, 35.5590, 15.2614



35.4652, 35.5590, 91.3806



39.3794, 35.5590, 12.8721

Square

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



35.4652, 35.5590, 91.3806



49.0999, 35.5590, 34.2063



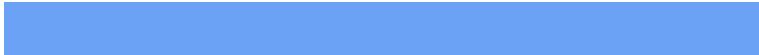
32.1834, 35.5590, 11.5710



22.0595, 35.5590, 43.6093

Rectangle

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



35.4652, 35.5590, 91.3806



46.4674, 35.5590, 63.9452



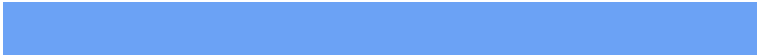
32.1834, 35.5590, 11.5710



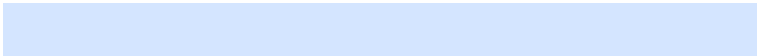
23.6698, 35.5590, 21.1886

Sweetspot

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



35.4665, 35.5602, 91.3815



73.0995, 77.1629, 105.6489



47.9898, 72.1408, 59.9979



15.1551, 15.9944, 22.5384



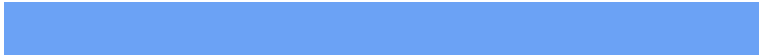
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



35.4665, 35.5602, 91.3815



32.5142, 31.0344, 98.8843



29.5981, 21.1605, 88.9114



16.1231, 17.0105, 20.9761



11.3401, 8.4740, 47.5760



1.0942, 0.9399, 4.2140

Inverse Universe

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



49.4367, 32.5383, 37.8582



49.7892, 29.4592, 32.2148



68.3270, 83.3896, 26.4065



16.7727, 16.5919, 18.5497



21.5285, 10.9548, 7.4914



1.9414, 0.9825, 0.9177

Previews

White Background



This preview shows how the XYZ color 35.4652, 35.5590, 91.3806 looks on a white background.

Color Contrast Check

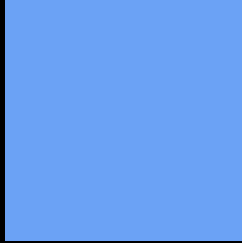
Large Text (above 18pt) WCAG AA × Fail

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 35.4652, 35.5590, 91.3806 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

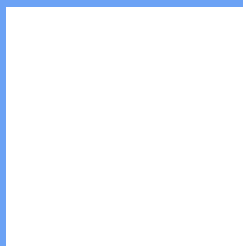
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 35.4652, 35.5590, 91.3806

Background



This preview shows how black text looks on a background with the XYZ color 35.4652, 35.5590, 91.3806.



This preview shows how white text looks on a background with the XYZ color 35.4652, 35.5590,

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

35.4652, 35.5590, 91.3806

Protanopia

37.2942, 35.2901, 88.0651

Deuteranopia

36.6766, 35.6470, 92.1363



Tritanopia

27.7670, 35.4493, 52.9559

Trichromacy



Original Color

35.4652, 35.5590, 91.3806

Protanomaly

36.4512, 35.3447, 88.9054

Deuteranomaly

36.3189, 35.7210, 92.1694

Tritanomaly

30.2108, 35.3065, 65.5442

Monochromacy



Original Color

35.4652, 35.5590, 91.3806

Achromatopsia

31.1553, 32.7778, 35.6950

Achromatomaly

31.7852, 33.4878, 52.3655

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.4652, 35.5590, 91.3806 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(107, 162, 245)` looks like.

```
.text, #text, p{  
    color:rgb(107, 162, 245)  
}
```

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(107, 162, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 162, 245) }
```

Border

The CSS property to change the border of an element to XYZ 35.4652, 35.5590, 91.3806 is called "border". The border property can be set on classes, ids or directly on the HTML element.

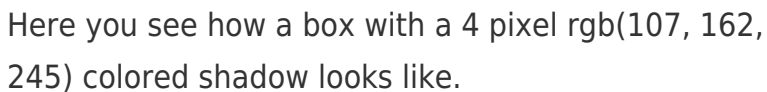
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(107, 162, 245) }
```


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

```
.border{ border-color:rgb(107, 162, 245) }
```

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



Here you see how a box with a 4 pixel `rgb(107, 162, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(107, 162, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(107, 162, 245);  
box-shadow:4px 4px 4px 4px rgb(107, 162,  
245) }
```

Background

The CSS property to change the background color of an element to XYZ 35.4652, 35.5590, 91.3806 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 162, 245) }
```

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

```
.background{ background-color: rgb(107,  
162, 245) }
```

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