

Converting Colors

XYZ(35.9450, 36.5648, 94.7854)

Have a look what the booklet for
XYZ(35.9450, 36.5648, 94.7854)
contains.

XYZ(35.9208, 36.5165, 94.7777)	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(35.9208, 36.5165,
94.7777)**

Conversions

Conversions Part 1

Format	Color
Hex	65A5F9
RGB	101, 165, 249
RGB Percent	40%, 65%, 98%
CMY	0.6039, 0.3529, 0.0235
CMYK	0.59, 0.34, 0.00, 0.02
HSL	214°, 93%, 69%
HSV	214°, 59%, 98%
XYZ	35.9208, 36.5165, 94.7777
YIQ	155.4400, -65.1080, 12.5560

Conversions

Conversions Part 2

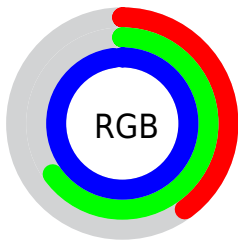
Format	Color
R _Y B	101, 146, 249
Decimal	6661625
CIE Lab	66.91, 4.12, -48.01
CIE LCh	67, 48.184, 274.900
Yxy	36.5165, 0.2148, 0.2184
Android (android.graphics.Color)	4284851705 (0xFF65A5F9)
YUV	155.4400, 46.1251, -47.7439
Hunter-Lab	60.4289, 0.3554, -50.6912

Details

The XYZ color **35.9208, 36.5165, 94.7777** is a light color, and the websafe version is hex **3399FF**. A complement of this color would be **58.7668, 55.7801, 19.9831**, and the grayscale version is **31.1746, 32.7981, 35.7171**.

A 20% lighter version of the original color is **58.5435, 66.0878, 104.2784**, and **15.8851, 16.0226, 52.1246** is the 20% darker color. If you saturate the color by 10%, you get **31.1336, 30.4716, 93.8640**, and if you desaturate by 10%, it is **41.8367, 43.5625, 95.8267**.

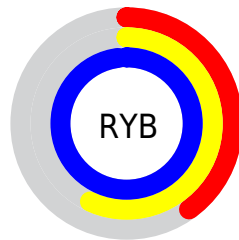
Distribution



Red (40%)

Green (65%)

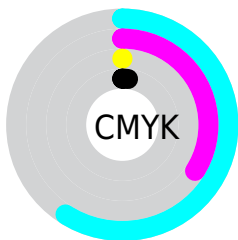
Blue (98%)



Red (40%)

Yellow (57%)

Blue (98%)

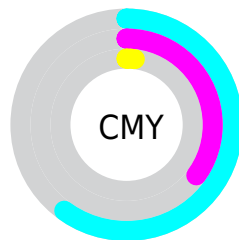


Cyan (59%)

Magenta (34%)

Yellow (0%)

Black (2%)



Cyan (60%)

Magenta (35%)

Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 35.9208, 36.5165, 94.7777 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 35.9208, 36.5165, 94.7777 by changing the saturation by 10% instead.

■ 35.9208, 36.5165,
94.7777

■ 35.9208, 36.5165,
94.7777

320.0515,
331.2125, 564.4192

■ 24.5429, 24.8334,
71.3541

■ 68.2345, 69.8285,
155.9504

■ 15.8637, 15.9529,
52.1476

■ 89.9009, 92.2262,
194.5366

■ 9.5180, 9.4909,
36.7397

■ 115.7276,
118.9642, 239.0140

■ 5.1404, 5.0627,
24.7118

146.0798,
150.4269, 289.8013

■ 2.3655, 2.2841,
15.6454

181.3230,
186.9986, 347.3169

■ 0.8278, 0.7653,
9.1220

221.8224,

■ 0.0000, 0.0000,

229.0639, 411.9794

4.7229

267.9435,
277.0071, 484.2073

■ 0.0000, 0.0000,
2.0297

■ 0.0000, 0.0000,
0.5735

■ 35.9208, 36.5165,
94.7777

■ 35.9208, 36.5165,
94.7777

■ 31.1336, 30.4716,
93.8640

■ 41.8367, 43.5625,
95.8267

■ 27.3829, 25.3652,
93.0760

■ 48.9551, 51.6590,
97.0143

■ 24.5668, 21.1310,
92.4072

■ 57.3475, 60.8558,
98.3471

■ 22.5290, 17.6733,
91.8472

■ 67.0786, 71.1980,
99.8304

■ 22.4271, 17.4957,
91.8183

■ 78.2084, 82.7280,
101.4694

■ 90.7930, 95.4857,
103.2686

■ 94.0990, 99.6196,
103.8922

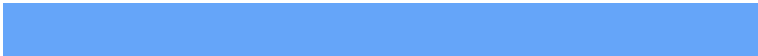
Harmonies

Analogous

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



29.0868, 36.5165, 88.4129



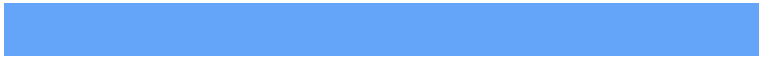
35.9208, 36.5165, 94.7777



43.3754, 36.5165, 82.6905

Triad

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



35.9208, 36.5165, 94.7777



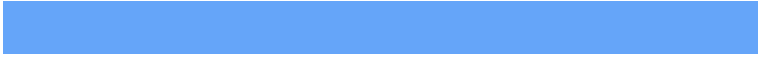
47.5417, 36.5165, 20.9080



23.4840, 36.5165, 25.0275

Complementary

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



35.9208, 36.5165, 94.7777



58.7668, 55.7801, 19.9831

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.



27.2794, 36.5165, 15.0613



35.9208, 36.5165, 94.7777



41.0101, 36.5165, 13.3341

Square

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



35.9208, 36.5165, 94.7777



50.6582, 36.5165, 36.4240



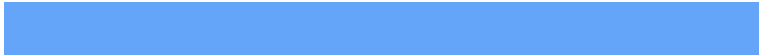
33.5225, 36.5165, 11.6488



22.5154, 36.5165, 43.2942

Rectangle

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



35.9208, 36.5165, 94.7777



47.5070, 36.5165, 67.6488



33.5225, 36.5165, 11.6488



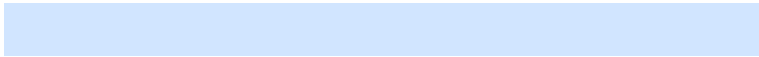
24.4426, 36.5165, 20.8331

Sweetspot

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



35.9222, 36.5177, 94.7786



72.3777, 76.7997, 105.6169



47.9869, 74.0164, 57.5846



14.8062, 15.7192, 22.5037



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.



35.9222, 36.5177, 94.7786



32.1372, 31.2080, 98.9377



28.2931, 19.5197, 91.8998



16.9003, 17.8775, 21.9453



12.1398, 9.6351, 49.1935



1.2275, 1.0986, 4.5905

Inverse Universe

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



50.5134, 32.1654, 39.1445



49.3725, 28.4257, 32.6929



71.8674, 87.0658, 25.3314



17.5562, 17.3499, 19.5189



22.4196, 11.3836, 8.9181



2.1285, 1.0751, 1.1000

Previews

White Background



This preview shows how the XYZ color 35.9208, 36.5165, 94.7777 looks on a white background.

Color Contrast Check

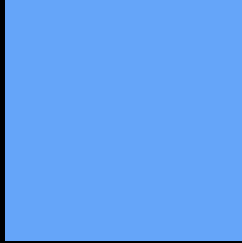
Large Text (above 18pt) WCAG AA × Fail

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 35.9208, 36.5165, 94.7777 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

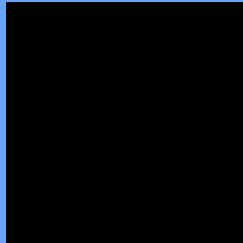
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

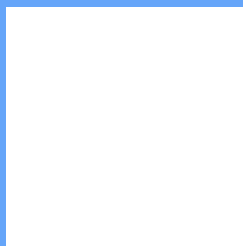
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 35.9208, 36.5165, 94.7777

Background



This preview shows how black text looks on a background with the XYZ color 35.9208, 36.5165, 94.7777.



This preview shows how white text looks on a background with the XYZ color 35.9208, 36.5165,

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

35.9208, 36.5165, 94.7777

Protanopia

38.4001, 36.3145, 90.5734

Deuteranopia

37.5118, 36.5247, 95.5154



Tritanopia

28.1066, 36.7424, 54.9008

Trichromacy



Original Color

35.9208, 36.5165, 94.7777

Protanomaly

37.2646, 36.2085, 92.2137

Deuteranomaly

36.9081, 36.4760, 95.5378

Tritanomaly

30.5735, 36.5719, 67.7350

Monochromacy



Original Color

35.9208, 36.5165, 94.7777

Achromatopsia

31.1553, 32.7778, 35.6950

Achromatomaly

31.5751, 33.6213, 52.9695

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.9208, 36.5165, 94.7777 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(101, 165, 249)` looks like.

```
.text, #text, p{  
    color:rgb(101, 165, 249)  
}
```

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(101, 165, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(101, 165, 249) }
```

Border

The CSS property to change the border of an element to XYZ 35.9208, 36.5165, 94.7777 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(101, 165, 249) }
```


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

```
.border{ border-color:rgb(101, 165, 249) }
```

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

Here you see how a box with a 4 pixel `rgb(101, 165, 249)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(101, 165, 249); -webkit-box-shadow:4px 4px 4px 4px rgb(101, 165, 249); box-shadow:4px 4px 4px 4px rgb(101, 165, 249) }
```

Background

The CSS property to change the background color of an element to XYZ 35.9208, 36.5165, 94.7777 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(101, 165, 249) }
```

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

```
.background{ background-color: rgb(101,  
165, 249) }
```

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