

Converting Colors

XYZ(35.7172, 36.4606, 91.7185)

Have a look what the booklet for
XYZ(35.7172, 36.4606, 91.7185)
contains.

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Color

**XYZ(35.6455, 36.4459,
91.5422)**

Conversions

Conversions Part 1

Format	Color
Hex	68A5F5
RGB	104, 165, 245
RGB Percent	41%, 65%, 96%
CMY	0.5921, 0.3529, 0.0392
CMYK	0.58, 0.33, 0.00, 0.04
HSL	214°, 88%, 68%
HSV	214°, 58%, 96%
XYZ	35.6455, 36.4459, 91.5422
YIQ	155.8810, -62.0360, 11.9480

Conversions

Conversions Part 2

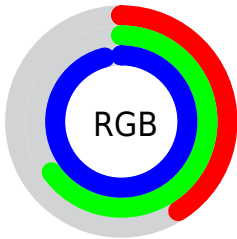
Format	Color
RYB	104, 147, 245
Decimal	6858229
CIELab	66.86, 3.42, -45.90
CIElCh	67, 46.030, 274.261
Yxy	36.4459, 0.2178, 0.2227
Android (android.graphics.Color)	4285048309 (0xFF68A5F5)
YUV	155.8810, 43.9357, -45.4996
Hunter-Lab	60.3704, -0.2536, -47.6446

Details

The XYZ color **35.6455, 36.4459, 91.5422** is a light color, and the websafe version is hex **3399FF**. A complement of this color would be **57.2973, 54.6958, 20.6361**, and the grayscale version is **31.3785, 33.0127, 35.9508**.

A 20% lighter version of the original color is **58.9530, 66.2989, 104.2976**, and **15.7216, 15.9888, 49.8345** is the 20% darker color. If you saturate the color by 10%, you get **30.8312, 30.4425, 90.6379**, and if you desaturate by 10%, it is **41.5609, 43.4227, 92.5778**.

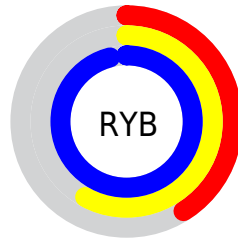
Distribution



Red (41%)

Green (65%)

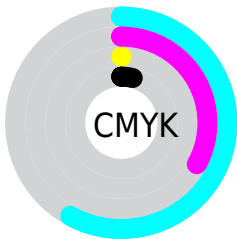
Blue (96%)



Red (41%)

Yellow (58%)

Blue (96%)

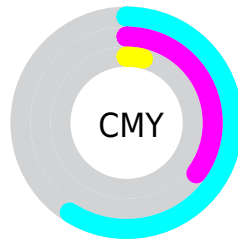


Cyan (58%)

Magenta (33%)

Yellow (0%)

Black (4%)



Cyan (59%)

Magenta (35%)

Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 35.6455, 36.4459, 91.5422 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 35.6455, 36.4459, 91.5422 by changing the saturation by 10% instead.

■ 35.6455, 36.4459,
91.5422

■ 35.6455, 36.4459,
91.5422

318.8668,
330.9053, 553.7339

■ 24.3294, 24.7788,
68.6795

■ 67.8120, 69.7197,
151.4329

■ 15.7042, 15.9123,
49.9806

■ 89.3931, 92.0953,
189.2981

■ 9.4046, 9.4621,
35.0269

■ 115.1266,
118.8090, 233.0011

■ 5.0652, 5.0438,
23.3999

145.3777,
150.2454, 282.9606

■ 2.3207, 2.2730,
14.6810

180.5120,
186.7888, 339.5951

■ 0.8052, 0.7594,
8.4517

220.8947,

■ 0.0000, 0.0000,

228.8237, 403.3231

4.2934

266.8911,
276.7344, 474.5632

■ 0.0000, 0.0000,
1.7877

■ 0.0000, 0.0000,
0.4198

■ 35.6455, 36.4459,
91.5422

■ 35.6455, 36.4459,
91.5422

■ 30.8312, 30.4425,
90.6379

■ 41.5609, 43.4227,
92.5778

■ 27.0316, 25.3532,
89.8558

■ 48.6466, 51.4192,
93.7478

■ 24.1520, 21.1165,
89.1898

■ 56.9705, 60.4826,
95.0585

■ 22.0679, 17.6537,
88.6313

■ 66.5935, 70.6558,
96.5150

■ 21.6345, 16.8985,
88.5084

■ 77.5727, 81.9789,
98.1219

■ 89.9614, 94.4900,
99.8838

■ 93.4816, 99.3726,
100.6407

Harmonies

Analogous

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



29.1438, 36.4459, 85.2338



35.6455, 36.4459, 91.5422



42.7411, 36.4459, 80.5766

Triad

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



35.6455, 36.4459, 91.5422



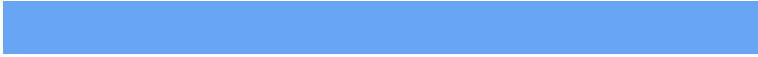
46.9311, 36.4459, 21.7692



23.9225, 36.4459, 25.2478

Complementary

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



35.6455, 36.4459, 91.5422



57.2973, 54.6958, 20.6361

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.



27.6345, 36.4459, 15.6740



35.6455, 36.4459, 91.5422



40.7887, 36.4459, 14.1892

Square

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



35.6455, 36.4459, 91.5422



49.7873, 36.4459, 36.9009



33.6550, 36.4459, 12.4058



22.9274, 36.4459, 42.6024

Rectangle

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



35.6455, 36.4459, 91.5422



46.6890, 36.4459, 66.5687



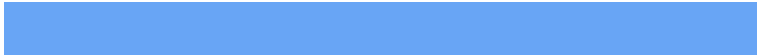
33.6550, 36.4459, 12.4058



24.8670, 36.4459, 21.2308

Sweetspot

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



35.6469, 36.4472, 91.5431



73.5098, 77.9836, 105.7857



47.0041, 71.7055, 56.6576



15.2516, 16.1874, 22.5706



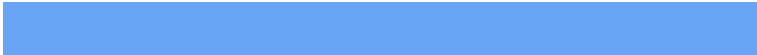
0.0000, 0.0000, 0.0000



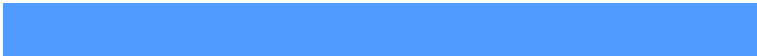
20.3446, 21.4041, 23.3091

Same Dimension

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



35.6469, 36.4472, 91.5431



33.0278, 32.3828, 99.1175



28.2951, 20.0325, 88.7622



16.1708, 17.1059, 20.9920



11.7865, 9.3668, 47.7248



1.1360, 1.0234, 4.2279

Inverse Universe

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



49.3993, 32.0314, 39.1774



49.9700, 29.2314, 34.0925



69.6116, 84.0697, 25.6568



16.7968, 16.6016, 18.6764



21.7538, 11.0450, 8.6778



1.9625, 0.9910, 1.0287

Previews

White Background



This preview shows how the XYZ color 35.6455, 36.4459, 91.5422 looks on a white background.

Color Contrast Check

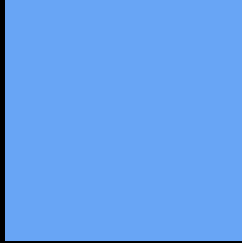
Large Text (above 18pt) WCAG AA × Fail

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 35.6455, 36.4459, 91.5422 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

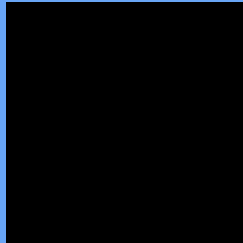
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

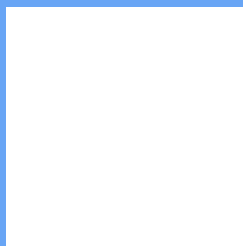
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 35.6455, 36.4459, 91.5422

Background



This preview shows how black text looks on a background with the XYZ color 35.6455, 36.4459, 91.5422.



This preview shows how white text looks on a background with the XYZ color 35.6455, 36.4459,

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

35.6455, 36.4459, 91.5422

Protanopia

38.1180, 36.2384, 87.4238

Deuteranopia

37.4055, 36.2811, 92.2203



Tritanopia

28.2993, 36.5622, 54.2809

Trichromacy



Original Color

35.6455, 36.4459, 91.5422

Protanomaly

37.0841, 36.1856, 89.0344

Deuteranomaly

36.6251, 36.1393, 92.2340

Tritanomaly

30.6018, 36.3319, 66.3726

Monochromacy



Original Color

35.6455, 36.4459, 91.5422

Achromatopsia

31.5995, 33.2452, 36.2040

Achromatomaly

31.7918, 33.7455, 52.4149

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.6455, 36.4459, 91.5422 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(104, 165, 245)` looks like.

```
.text, #text, p{  
    color:rgb(104, 165, 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(104, 165, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 165, 245) }
```

Border

The CSS property to change the border of an element to XYZ 35.6455, 36.4459, 91.5422 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(104, 165, 245) }
```


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

```
.border{ border-color:rgb(104, 165, 245) }
```

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

Here you see how a box with a 4 pixel `rgb(104, 165, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 165, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 165, 245);  
box-shadow:4px 4px 4px 4px rgb(104, 165,  
245) }
```

Background

The CSS property to change the background color of an element to XYZ 35.6455, 36.4459, 91.5422 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 165, 245) }
```

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

```
.background{ background-color: rgb(104,  
165, 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](#).

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