

Converting Colors

XYZ(34.5100, 36.0760, 93.9514)

Have a look what the booklet for
XYZ(34.5100, 36.0760, 93.9514)
contains.

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Color

**XYZ(34.5100, 36.0760,
93.9514)**

Conversions

Conversions Part 1

Format	Color
Hex	57A6F8
RGB	87, 166, 248
RGB Percent	34%, 65%, 97%
CMY	0.6588, 0.3490, 0.0274
CMYK	0.65, 0.33, 0.00, 0.03
HSL	211°, 92%, 66%
HSV	211°, 65%, 97%
XYZ	34.5100, 36.0760, 93.9514
YIQ	151.7270, -73.4060, 8.7540

Conversions

Conversions Part 2

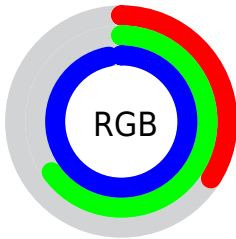
Format	Color
R _Y B	87, 140, 248
Decimal	5744376
CIE Lab	66.58, 0.76, -48.03
CIE LCh	67, 48.035, 270.910
Yxy	36.0760, 0.2097, 0.2193
Android (android.graphics.Color)	4283934456 (0xFF57A6F8)
YUV	151.7270, 47.4626, -56.7656
Hunter-Lab	60.0633, -2.5517, -50.6975

Details

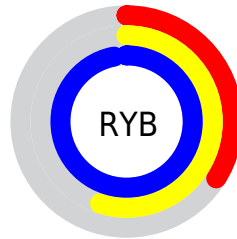
The XYZ color **34.5100, 36.0760, 93.9514** is a light color, and the websafe version is hex **3399FF**. The color can be described as light muted azure. A complement of this color would be **54.6219, 49.0240, 15.6026**, and the grayscale version is **29.5539, 31.0930, 33.8602**.

A 20% lighter version of the original color is **56.4841, 65.4169, 104.2574**, and **15.5347, 16.0231, 51.5642** is the 20% darker color. If you saturate the color by 10%, you get **30.3951, 30.7122, 93.1337**, and if you desaturate by 10%, it is **39.6481, 42.3031, 94.8833**.

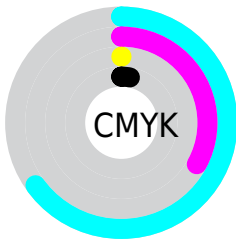
Distribution



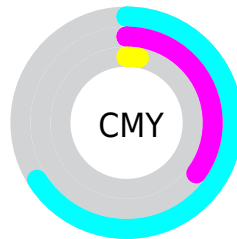
- Red (34%)
- Green (65%)
- Blue (97%)



- Red (34%)
- Yellow (55%)
- Blue (97%)



- Cyan (65%)
- Magenta (33%)
- Yellow (0%)
- Black (3%)



- Cyan (66%)
- Magenta (35%)
- Yellow (3%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 34.5100, 36.0760, 93.9514 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 34.5100, 36.0760, 93.9514 by changing the saturation by 10% instead.

■ 34.5100, 36.0760,
93.9514

■ 34.5100, 36.0760,
93.9514

313.9462,
329.2926, 561.7009

■ 23.4504, 24.4929,
70.6705

■ 66.0650, 69.1494,
154.7982

■ 15.0490, 15.6997,
51.5931

■ 87.2912, 91.4084,
193.2012

■ 8.9403, 9.3119,
36.3009

■ 112.6369,
117.9949, 237.4819

■ 4.7591, 4.9452,
24.3751

■ 142.4675,
149.2932, 288.0589

■ 2.1399, 2.2151,
15.3974

177.1484,
185.6877, 345.3508

■ 0.7108, 0.7282,
8.9490

217.0449,

■ 0.0000, 0.0000,

227.5629, 409.7761

4.6116

262.5224,
275.3030, 481.7532

■ 0.0000, 0.0000,
1.9665

■ 0.0000, 0.0000,
0.5346

■ 34.5100, 36.0760,
93.9514

■ 34.5100, 36.0760,
93.9514

■ 30.3951, 30.7122,
93.1337

■ 39.6481, 42.3031,
94.8833

■ 27.2075, 26.1511,
92.4213

■ 45.8848, 49.4402,
95.9322

■ 24.8368, 22.3263,
91.8080

■ 53.2924, 57.5338,
97.1040

■ 23.8643, 20.6191,
91.5298

■ 61.9356, 66.6257,
98.4034

■ 71.8739, 76.7550,
99.8347

■ 83.1626, 87.9580,
101.4021

■ 93.7597, 99.1899,
103.0116

■ 93.9434, 99.5574,
103.0728

Harmonies

Analogous

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



27.9729, 36.0760, 85.2725



34.5100, 36.0760, 93.9514



41.9260, 36.0760, 84.2187

Triad

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



34.5100, 36.0760, 93.9514



47.6322, 36.0760, 22.1927



23.5325, 36.0760, 22.9482

Complementary

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



34.5100, 36.0760, 93.9514



54.6219, 49.0240, 15.6026

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.



27.6410, 36.0760, 14.0907



34.5100, 36.0760, 93.9514



41.4911, 36.0760, 13.7745

Square

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



34.5100, 36.0760, 93.9514



50.1269, 36.0760, 38.6529



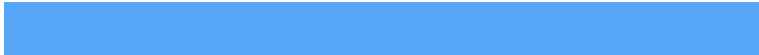
34.0693, 36.0760, 11.4302



22.1974, 36.0760, 39.9151

Rectangle

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



34.5100, 36.0760, 93.9514



46.2319, 36.0760, 70.0609



34.0693, 36.0760, 11.4302



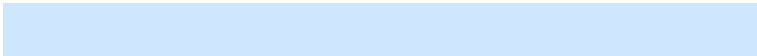
24.6036, 36.0760, 19.1664

Sweetspot

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



34.5114, 36.0772, 93.9523



72.0432, 77.1940, 105.7106



44.5209, 71.9708, 48.3498



14.7759, 15.8649, 22.5334



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.



34.5114, 36.0772, 93.9523



31.1914, 31.0736, 98.9616



24.2838, 15.6220, 90.5431



16.9863, 18.0493, 21.9739



13.0311, 11.4177, 49.4906



1.3127, 1.2691, 4.6189

Inverse Universe

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



49.0038, 29.5278, 39.1940



48.4662, 26.4209, 32.9832



74.0001, 87.7802, 22.0619



17.5996, 17.3672, 19.7472



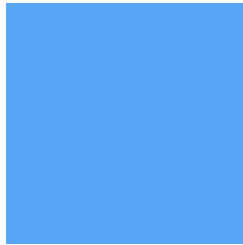
22.8695, 11.5635, 11.2871



2.1715, 1.0923, 1.3266

Previews

White Background



This preview shows how the XYZ color 34.5100, 36.0760, 93.9514 looks on a white background.

Color Contrast Check

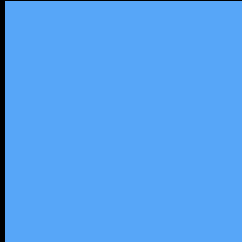
Large Text (above 18pt) WCAG AA × Fail

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 34.5100, 36.0760, 93.9514 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

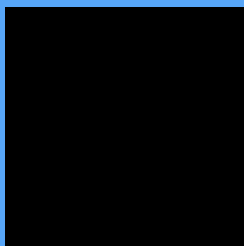
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

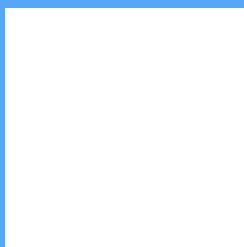
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 34.5100, 36.0760, 93.9514

Background



This preview shows how black text looks on a background with the XYZ color 34.5100, 36.0760, 93.9514.



This preview shows how white text looks on a background with the XYZ color 34.5100, 36.0760,

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

34.5100, 36.0760, 93.9514

Protanopia

37.6198, 35.7101, 88.1291

Deuteranopia

37.0462, 36.0423, 94.6268



Tritanopia

26.8121, 36.0623, 55.4167

Trichromacy



Original Color

34.5100, 36.0760, 93.9514

Protanomaly

36.2765, 35.7344, 90.5734

Deuteranomaly

36.0218, 36.0372, 94.6799

Tritanomaly

29.1420, 35.8339, 67.6680

Monochromacy



Original Color

34.5100, 36.0760, 93.9514

Achromatopsia

29.8446, 31.3989, 34.1934

Achromatomaly

29.9287, 32.2910, 51.6691

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.5100, 36.0760, 93.9514 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(87, 166, 248)` looks like.

```
.text, #text, p{  
    color:rgb(87, 166, 248)  
}
```

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(87, 166, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 166, 248) }
```

Border

The CSS property to change the border of an element to XYZ 34.5100, 36.0760, 93.9514 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(87, 166, 248) }
```


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

```
.border{ border-color:rgb(87, 166, 248) }
```

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

Here you see how a box with a 4 pixel `rgb(87, 166, 248)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 166, 248); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 166, 248);  
box-shadow:4px 4px 4px 4px rgb(87, 166,  
248) }
```

Background

The CSS property to change the background color of an element to XYZ 34.5100, 36.0760, 93.9514 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 166, 248) }
```

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

```
.background{ background-color: rgb(87, 166,  
248) }
```

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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