

Converting Colors

XYZ(36.7656, 35.6211, 95.3803)

Have a look what the booklet for
XYZ(36.7656, 35.6211, 95.3803)
contains.

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Color

**XYZ(36.7656, 35.6211,
95.3803)**

Conversions

Conversions Part 1

Format	Color
Hex	72A0FA
RGB	114, 160, 250
RGB Percent	45%, 63%, 98%
CMY	0.5529, 0.3725, 0.0196
CMYK	0.54, 0.36, 0.00, 0.02
HSL	220°, 93%, 71%
HSV	220°, 54%, 98%
XYZ	36.7656, 35.6211, 95.3803
YIQ	156.5060, -56.3060, 18.2380

Conversions

Conversions Part 2

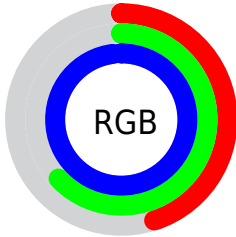
Format	Color
R_{YB}	114, 148, 250
Decimal	7512314
CIE Lab	66.23, 9.87, -49.59
CIE LCh	66, 50.564, 281.260
Yxy	35.6211, 0.2191, 0.2123
Android (android.graphics.Color)	4285702394 (0xFF72A0FA)
YUV	156.5060, 46.0925, -37.2778
Hunter-Lab	59.6834, 5.5119, -52.9732

Details

The XYZ color **36.7656, 35.6211, 95.3803** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **64.0567, 64.7280, 25.0394**, and the grayscale version is **31.6456, 33.2937, 36.2568**.

A 20% lighter version of the original color is **59.3301, 64.1974, 103.8720**, and **16.3609, 15.4405, 52.5701** is the 20% darker color. If you saturate the color by 10%, you get **31.2672, 28.8088, 94.3559**, and if you desaturate by 10%, it is **43.5369, 43.6573, 96.5753**.

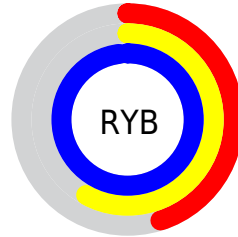
Distribution



Red (45%)

Green (63%)

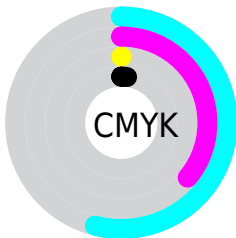
Blue (98%)



Red (45%)

Yellow (58%)

Blue (98%)

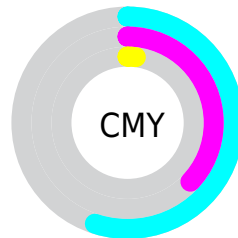


Cyan (54%)

Magenta (36%)

Yellow (0%)

Black (2%)



Cyan (55%)

Magenta (37%)

Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 36.7656, 35.6211, 95.3803 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 36.7656, 35.6211, 95.3803 by changing the saturation by 10% instead.

■ 36.7656, 35.6211,
95.3803

■ 36.7656, 35.6211,
95.3803

323.6678,
327.3014, 566.3972

■ 25.1989, 24.1417,
71.8529

■ 69.5283, 68.4468,
156.7900

■ 16.3548, 15.4388,
52.5524

■ 91.4550, 90.5620,
195.5094

■ 9.8680, 9.1279,
37.0603

■ 117.5658,
116.9912, 240.1298

■ 5.3731, 4.8247,
24.9580

148.2259,
148.1188, 291.0699

■ 2.5048, 2.1448,
15.8271

183.8009,
184.3292, 348.7481

■ 0.8977, 0.6896,
9.2488

224.6559,

■ 0.0000, 0.0000,

226.0068, 413.5831

4.8048

271.1564,
273.5361, 485.9932

■ 0.0000, 0.0000,
2.0765

■ 0.0000, 0.0000,
0.6017

■ 36.7656, 35.6211,
95.3803

■ 36.7656, 35.6211,
95.3803

■ 31.2672, 28.8088,
94.3559

■ 43.5369, 43.6573,
96.5753

■ 26.9483, 23.1485,
93.4910

■ 51.6570, 52.9758,
97.9460

■ 23.7081, 18.5650,
92.7771

■ 61.2005, 63.6357,
99.5005

■ 21.4236, 14.9695,
92.2035

■ 72.2348, 75.6907,
101.2458

■ 20.4689, 13.3290,
91.9372

■ 84.8232, 89.1914,
103.1882

■ 94.2555, 99.6822,
104.7160

Harmonies

Analogous

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



29.4116, 35.6211, 92.8500



36.7656, 35.6211, 95.3803



44.3397, 35.6211, 79.0914

Triad

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



36.7656, 35.6211, 95.3803



45.9591, 35.6211, 17.3505



21.9053, 35.6211, 26.9223

Complementary

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



36.7656, 35.6211, 95.3803



64.0567, 64.7280, 25.0394

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.



25.1719, 35.6211, 15.2062



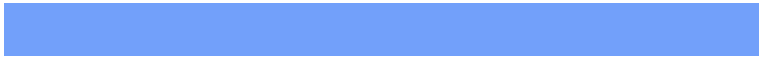
36.7656, 35.6211, 95.3803



38.7287, 35.6211, 11.2656

Square

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



36.7656, 35.6211, 95.3803



50.1488, 35.6211, 31.2337



31.1056, 35.6211, 10.6621



21.5414, 35.6211, 47.4655

Rectangle

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



36.7656, 35.6211, 95.3803



48.2171, 35.6211, 62.3567



31.1056, 35.6211, 10.6621



22.6748, 35.6211, 22.0577

Sweetspot

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



36.7670, 35.6223, 95.3812



73.5831, 77.0325, 105.5983



51.8347, 76.2331, 68.1102



15.2242, 15.9166, 22.5197



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.



36.7670, 35.6223, 95.3812



32.3665, 29.7015, 98.6348



33.1700, 24.0402, 93.3352



16.7628, 17.6024, 21.8994



10.9761, 7.3077, 48.8056



1.1104, 0.8644, 4.5515

Inverse Universe

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



51.7881, 34.8986, 37.2651



49.9679, 30.5003, 30.1665



69.7291, 86.3440, 28.9127



17.4868, 17.3221, 19.1533



21.8322, 11.1486, 5.8250



2.0694, 1.0515, 0.7888

Previews

White Background



This preview shows how the XYZ color 36.7656, 35.6211, 95.3803 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 36.7656, 35.6211, 95.3803 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

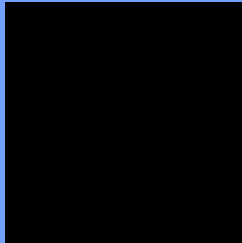
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

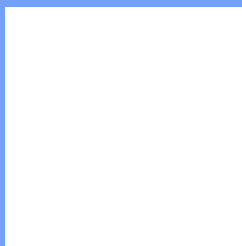
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 36.7656, 35.6211, 95.3803

Background



This preview shows how black text looks on a background with the XYZ color 36.7656, 35.6211, 95.3803.



This preview shows how white text looks on a background with the XYZ color 36.7656, 35.6211,

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

36.7656, 35.6211, 95.3803

Protanopia

37.9023, 35.4804, 93.6577

Deuteranopia

36.6362, 35.5544, 95.3742



Tritanopia

28.2276, 35.6991, 52.4166

Trichromacy



Original Color

36.7656, 35.6211, 95.3803

Protanomaly

37.4941, 35.5042, 94.4994

Deuteranomaly

36.6362, 35.5544, 95.3742

Tritanomaly

30.7811, 35.3111, 66.1661

Monochromacy



Original Color

36.7656, 35.6211, 95.3803

Achromatopsia

32.0474, 33.7164, 36.7171

Achromatomaly

32.6153, 33.8780, 54.1103

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.7656, 35.6211, 95.3803 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(114, 160, 250)` looks like.

```
.text, #text, p{  
    color:rgb(114, 160, 250)  
}
```

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(114, 160, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(114, 160, 250) }
```

Border

The CSS property to change the border of an element to XYZ 36.7656, 35.6211, 95.3803 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(114, 160, 250) }
```


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

```
.border{ border-color:rgb(114, 160, 250) }
```

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

Here you see how a box with a 4 pixel rgb(114, 160, 250) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(114, 160, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(114, 160, 250);  
box-shadow:4px 4px 4px 4px rgb(114, 160,  
250) }
```

Background

The CSS property to change the background color of an element to XYZ 36.7656, 35.6211, 95.3803 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(114, 160, 250) }
```

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

```
.background{ background-color: rgb(114,  
160, 250) }
```

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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