

Converting Colors

XYZ(35.6301, 35.2353, 86.7181)

Have a look what the booklet for
XYZ(35.6301, 35.2353, 86.7181)
contains.

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Color

**XYZ(35.6220, 35.2252,
86.5830)**

Conversions

Conversions Part 1

Format	Color
Hex	76A0EF
RGB	118, 160, 239
RGB Percent	46%, 63%, 94%
CMY	0.5372, 0.3725, 0.0627
CMYK	0.51, 0.33, 0.00, 0.06
HSL	219°, 79%, 70%
HSV	219°, 51%, 94%
XYZ	35.6220, 35.2252, 86.5830
YIQ	156.4480, -50.3910, 15.6650

Conversions

Conversions Part 2

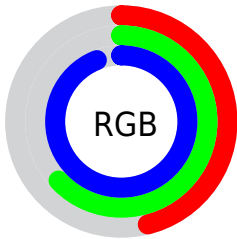
Format	Color
R _Y B	118, 149, 239
Decimal	7774447
CIE Lab	65.92, 7.37, -44.04
CIE LCh	66, 44.656, 279.504
Yxy	35.2252, 0.2263, 0.2238
Android (android.graphics.Color)	4285964527 (0xFF76A0EF)
YUV	156.4480, 40.6981, -33.7189
Hunter-Lab	59.3508, 3.2707, -44.9487

Details

The XYZ color **35.6220, 35.2252, 86.5830** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **58.8343, 59.5932, 25.5429**, and the grayscale version is **31.6411, 33.2889, 36.2516**.

A 20% lighter version of the original color is **60.0011, 64.5432, 103.9034**, and **15.7608, 15.2557, 46.9137** is the 20% darker color. If you saturate the color by 10%, you get **30.2407, 28.6846, 85.6049**, and if you desaturate by 10%, it is **42.1676, 42.8712, 87.7145**.

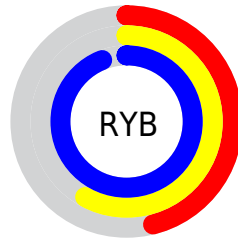
Distribution



Red (46%)

Green (63%)

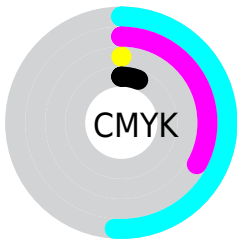
Blue (94%)



Red (46%)

Yellow (58%)

Blue (94%)

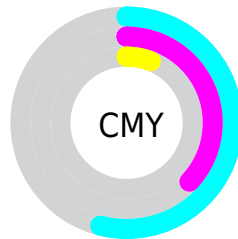


Cyan (51%)

Magenta (33%)

Yellow (0%)

Black (6%)



Cyan (54%)

Magenta (37%)

Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 35.6220, 35.2252, 86.5830 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 35.6220, 35.2252, 86.5830 by changing the saturation by 10% instead.

■ 35.6220, 35.2252,
86.5830

■ 35.6220, 35.2252,
86.5830

318.7655,
325.5612, 537.1322

■ 24.3112, 23.8364,
64.5925

■ 67.7759, 67.8345,
144.4765

■ 15.6906, 15.2123,
46.6815

■ 89.3497, 89.8238,
181.2166

■ 9.3949, 8.9685,
32.4314

■ 115.0752,
116.1153, 223.7103

■ 5.0588, 4.7207,
21.4237

145.3177,
147.0936, 272.3762

■ 2.3169, 2.0843,
13.2398

180.4427,
183.1429, 327.6328

■ 0.8033, 0.6558,
7.4612

220.8154,

■ 0.0000, 0.0000,

224.6477, 389.8987

3.6694

266.8012,
271.9923, 459.5923

■ 0.0000, 0.0000,
1.4458

■ 0.0000, 0.0000,
0.1770

■ 35.6220, 35.2252,
86.5830

■ 35.6220, 35.2252,
86.5830

■ 30.2407, 28.6846,
85.6049

■ 42.1676, 42.8712,
87.7145

■ 25.9438, 23.1880,
84.7704

■ 49.9422, 51.6719,
89.0035

■ 22.6469, 18.6725,
84.0726

■ 59.0101, 61.6778,
90.4569

■ 20.2489, 15.0651,
83.5027

■ 69.4298, 72.9350,
92.0806

■ 18.6700, 12.4119,
83.0737

■ 81.2560, 85.4872,
93.8801

■ 92.1444, 98.1405,
95.7485

■ 92.5801, 99.0120,
95.8938

Harmonies

Analogous

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



29.2271, 35.2252, 83.5165



35.6220, 35.2252, 86.5830



42.2282, 35.2252, 73.8262

Triad

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



35.6220, 35.2252, 86.5830



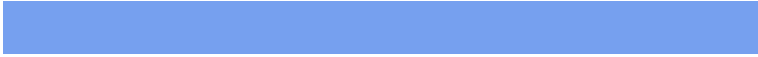
44.2685, 35.2252, 19.5551



22.9362, 35.2252, 26.9750

Complementary

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



35.6220, 35.2252, 86.5830



58.8343, 59.5932, 25.5429

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.



26.0328, 35.2252, 16.5762



35.6220, 35.2252, 86.5830



38.1278, 35.2252, 13.3742

Square

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



35.6220, 35.2252, 86.5830



47.6357, 35.2252, 32.6556



31.4266, 35.2252, 12.5005



22.4504, 35.2252, 44.6801

Rectangle

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



35.6220, 35.2252, 86.5830



45.6614, 35.2252, 59.9353



31.4266, 35.2252, 12.5005



23.6849, 35.2252, 22.6970

Sweetspot

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



35.6233, 35.2265, 86.5839



74.8952, 78.5418, 105.8204



48.3770, 69.6007, 63.4993



15.4877, 16.2240, 22.5652



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.



35.6233, 35.2265, 86.5839



34.7084, 32.8251, 99.1143



32.2377, 24.4374, 84.6798



15.3459, 16.1260, 20.0254



10.4279, 7.0800, 45.9448



0.9572, 0.7684, 3.8521

Inverse Universe

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



48.4213, 33.8472, 37.2399



51.5309, 32.5837, 33.9016



63.9107, 78.3905, 28.9036



15.9993, 15.8494, 17.5525



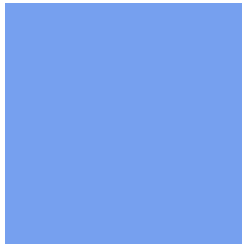
20.5891, 10.5081, 5.7529



1.7581, 0.8923, 0.7170

Previews

White Background



This preview shows how the XYZ color 35.6220, 35.2252, 86.5830 looks on a white background.

Color Contrast Check

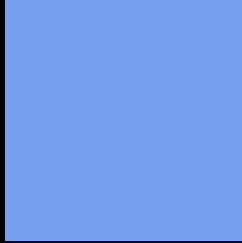
Large Text (above 18pt) WCAG AA × Fail

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 35.6220, 35.2252, 86.5830 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

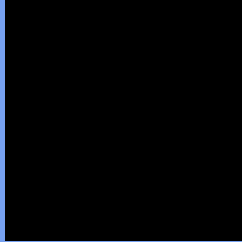
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

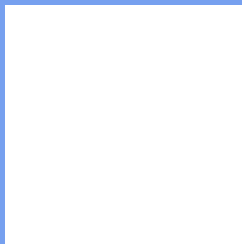
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 35.6220, 35.2252, 86.5830

Background



This preview shows how black text looks on a background with the XYZ color 35.6220, 35.2252, 86.5830.



This preview shows how white text looks on a background with the XYZ color 35.6220, 35.2252,

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

35.6220, 35.2252, 86.5830

Protanopia

36.8702, 35.1566, 84.1995

Deuteranopia

36.1465, 35.2392, 86.5581



Tritanopia

28.5754, 35.3379, 51.2138

Trichromacy



Original Color

35.6220, 35.2252, 86.5830

Protanomaly

36.4150, 35.1573, 84.9875

Deuteranomaly

35.8633, 35.0932, 86.5448

Tritanomaly

30.9016, 35.1710, 62.9176

Monochromacy



Original Color

35.6220, 35.2252, 86.5830

Achromatopsia

31.5995, 33.2452, 36.2040

Achromatomaly

32.0752, 33.4099, 51.2126

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.6220, 35.2252, 86.5830 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(118, 160, 239)` looks like.

```
.text, #text, p{  
    color:rgb(118, 160, 239)  
}
```

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(118, 160, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 160, 239) }
```

Border

The CSS property to change the border of an element to XYZ 35.6220, 35.2252, 86.5830 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(118, 160, 239) }
```


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

```
.border{ border-color:rgb(118, 160, 239) }
```

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

Here you see how a box with a 4 pixel `rgb(118, 160, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(118, 160, 239); -webkit-box-shadow:4px 4px 4px 4px rgb(118, 160, 239); box-shadow:4px 4px 4px 4px rgb(118, 160, 239) }
```

Background

The CSS property to change the background color of an element to XYZ 35.6220, 35.2252, 86.5830 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 160, 239) }
```

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

```
.background{ background-color: rgb(118,  
160, 239) }
```

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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