

Converting Colors

XYZ(35.0138, 34.8266, 90.4653)

Have a look what the booklet for
XYZ(35.0138, 34.8266, 90.4653)
contains.

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Color

**XYZ(34.9633, 34.7991,
90.4621)**

Conversions

Conversions Part 1

Format	Color
Hex	6BA0F4
RGB	107, 160, 244
RGB Percent	42%, 63%, 96%
CMY	0.5804, 0.3725, 0.0431
CMYK	0.56, 0.34, 0.00, 0.04
HSL	217°, 86%, 69%
HSV	217°, 56%, 96%
XYZ	34.9633, 34.7991, 90.4621
YIQ	153.7290, -58.5520, 14.8880

Conversions

Conversions Part 2

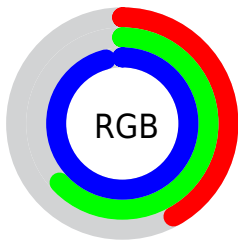
Format	Color
RYB	107, 145, 244
Decimal	7053556
CIELab	65.59, 6.57, -47.34
CIELCh	66, 47.795, 277.898
Yxy	34.7991, 0.2182, 0.2172
Android (android.graphics.Color)	4285243636 (0xFF6BA0F4)
YUV	153.7290, 44.5036, -40.9813
Hunter-Lab	58.9908, 2.5615, -49.6274

Details

The XYZ color **34.9633, 34.7991, 90.4621** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **58.5945, 57.5585, 21.9332**, and the grayscale version is **30.4274, 32.0120, 34.8611**.

A 20% lighter version of the original color is **57.8225, 63.4201, 103.8015**, and **15.2750, 14.9565, 49.0955** is the 20% darker color. If you saturate the color by 10%, you get **29.9936, 28.6163, 89.5313**, and if you desaturate by 10%, it is **41.0752, 42.0351, 91.5374**.

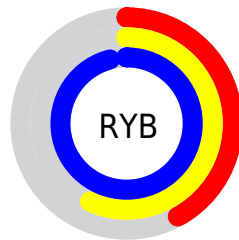
Distribution



Red (42%)

Green (63%)

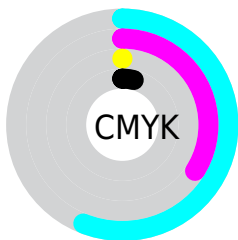
Blue (96%)



Red (42%)

Yellow (57%)

Blue (96%)

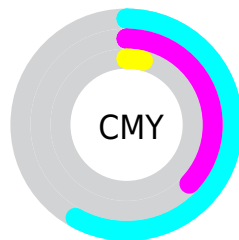


Cyan (56%)

Magenta (34%)

Yellow (0%)

Black (4%)



Cyan (58%)

Magenta (37%)

Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 34.9633, 34.7991, 90.4621 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 34.9633, 34.7991, 90.4621 by changing the saturation by 10% instead.

■ 34.9633, 34.7991,
90.4621

■ 34.9633, 34.7991,
90.4621

315.9172,
323.6807, 550.1417

■ 23.8010, 23.5082,
67.7881

■ 66.7633, 67.1744,
149.9212

■ 15.3100, 14.9692,
49.2598

■ 88.1317, 89.0276,
187.5434

■ 9.1250, 8.7978,
34.4585

■ 113.6329,
115.1703, 230.9855

■ 4.8805, 4.6095,
22.9659

143.6321,
145.9869, 280.6658

■ 2.2114, 2.0200,
14.3632

178.4948,
181.8619, 337.0031

■ 0.7487, 0.6191,
8.2321

218.5863,

■ 0.0000, 0.0000,

223.1796, 400.4158

4.1539

264.2720,
270.3244, 471.3225

■ 0.0000, 0.0000,
1.7102

■ 0.0000, 0.0000,
0.3677

■ 34.9633, 34.7991,
90.4621

■ 34.9633, 34.7991,
90.4621

■ 29.9936, 28.6163,
89.5313

■ 41.0752, 42.0351,
91.5374

■ 26.0795, 23.4241,
88.7354

■ 48.3991, 50.3744,
92.7610

■ 23.1269, 19.1572,
88.0675

■ 57.0036, 59.8675,
94.1398

■ 21.0194, 15.7372,
87.5184

■ 66.9505, 70.5606,
95.6796

■ 20.3669, 14.6069,
87.3346

■ 78.2976, 82.4970,
97.3855

■ 91.0990, 95.7179,
99.2626

■ 93.3293, 99.3117,
99.8388

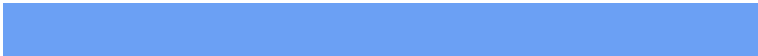
Harmonies

Analogous

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



28.2567, 34.7991, 86.1184



34.9633, 34.7991, 90.4621



42.0695, 34.7991, 77.2666

Triad

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



34.9633, 34.7991, 90.4621



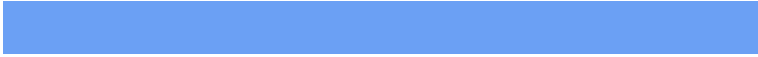
44.8986, 34.7991, 18.7740



22.0885, 34.7991, 25.1376

Complementary

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



34.9633, 34.7991, 90.4621



58.5945, 57.5585, 21.9332

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.



25.4644, 34.7991, 14.8552



34.9633, 34.7991, 90.4621



38.4132, 34.7991, 12.1900

Square

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



34.9633, 34.7991, 90.4621



48.3114, 34.7991, 32.8274



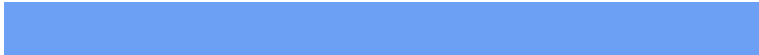
31.2569, 34.7991, 11.0659



21.4357, 34.7991, 43.4487

Rectangle

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



34.9633, 34.7991, 90.4621



45.8643, 34.7991, 62.3430



31.2569, 34.7991, 11.0659



22.9169, 34.7991, 20.8491

Sweetspot

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



34.9646, 34.8003, 90.4630



72.9596, 76.8832, 105.6023



47.6224, 71.5110, 59.5527



15.1222, 15.9286, 22.5275



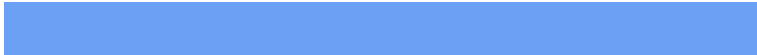
0.0000, 0.0000, 0.0000



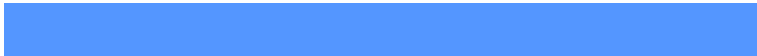
20.3446, 21.4041, 23.3091

Same Dimension

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



34.9646, 34.8003, 90.4630



32.6648, 31.0021, 98.8701



29.4315, 21.0921, 88.1086



16.1068, 16.9779, 20.9707



11.1970, 8.1878, 47.5283



1.0806, 0.9126, 4.2094

Inverse Universe

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



48.9122, 32.2881, 36.9130



49.9466, 29.8338, 32.0829



67.7351, 82.6365, 26.2920



16.7645, 16.5886, 18.5063



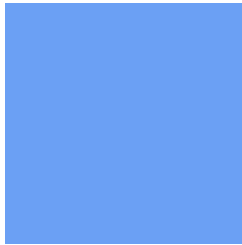
21.4563, 10.9259, 7.1110



1.9345, 0.9798, 0.8815

Previews

White Background



This preview shows how the XYZ color 34.9633, 34.7991, 90.4621 looks on a white background.

Color Contrast Check

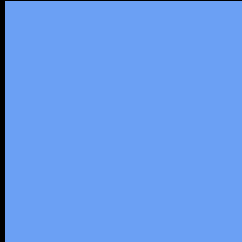
Large Text (above 18pt) WCAG AA × Fail

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 34.9633, 34.7991, 90.4621 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

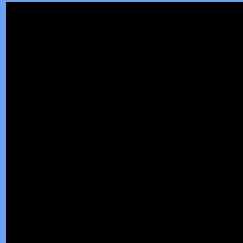
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

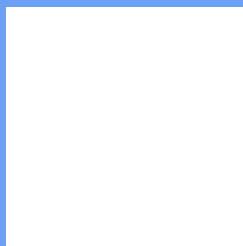
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 34.9633, 34.7991, 90.4621

Background



This preview shows how black text looks on a background with the XYZ color 34.9633, 34.7991, 90.4621.



This preview shows how white text looks on a background with the XYZ color 34.9633, 34.7991,

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

34.9633, 34.7991, 90.4621

Protanopia

36.6699, 34.7353, 87.2100

Deuteranopia

35.6262, 34.6302, 90.3945



Tritanopia

27.2716, 34.9350, 51.7601

Trichromacy



Original Color

34.9633, 34.7991, 90.4621

Protanomaly

35.8193, 34.5298, 87.9961

Deuteranomaly

35.4094, 34.7727, 90.4335

Tritanomaly

29.6787, 34.7856, 64.1815

Monochromacy



Original Color

34.9633, 34.7991, 90.4621

Achromatopsia

30.7148, 32.3143, 35.1903

Achromatomaly

31.1746, 32.6832, 51.6791

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.9633, 34.7991, 90.4621 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(107, 160, 244)` looks like.

```
.text, #text, p{  
    color:rgb(107, 160, 244)  
}
```

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(107, 160, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 160, 244) }
```

Border

The CSS property to change the border of an element to XYZ 34.9633, 34.7991, 90.4621 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(107, 160, 244) }
```


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

```
.border{ border-color:rgb(107, 160, 244) }
```

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

Here you see how a box with a 4 pixel `rgb(107, 160, 244)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(107, 160, 244); -webkit-box-  
shadow:4px 4px 4px 4px rgb(107, 160, 244);  
box-shadow:4px 4px 4px 4px rgb(107, 160,  
244) }
```

Background

The CSS property to change the background color of an element to XYZ 34.9633, 34.7991, 90.4621 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 160, 244) }
```

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

```
.background{ background-color: rgb(107,  
160, 244) }
```

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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