

Converting Colors

XYZ(34.0958, 31.6973, 87.5402)

Have a look what the booklet for
XYZ(34.0958, 31.6973, 87.5402)
contains.

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Color

**XYZ(34.0958, 31.6973,
87.5402)**

Conversions

Conversions Part 1	
Format	Color
Hex	7695F1
RGB	118, 149, 241
RGB Percent	46%, 58%, 95%
CMY	0.5372, 0.4157, 0.0549
CMYK	0.51, 0.38, 0.00, 0.05
HSL	225°, 81%, 70%
HSV	225°, 51%, 95%
XYZ	34.0958, 31.6973, 87.5402
YIQ	150.2190, -48.0080, 22.0400

Conversions

Conversions Part 2

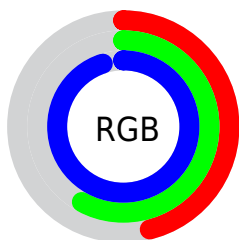
Format	Color
RYB	118, 143, 241
Decimal	7771633
CIELab	63.09, 14.36, -49.61
CIELCh	63, 51.641, 286.140
Yxy	31.6973, 0.2224, 0.2067
Android (android.graphics.Color)	4285961713 (0xFF7695F1)
YUV	150.2190, 44.7550, -28.2561
Hunter-Lab	56.3004, 9.5749, -52.7785

Details

The XYZ color **34.0958, 31.6973, 87.5402** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **62.5938, 66.1043, 26.6016**, and the grayscale version is **28.9140, 30.4198, 33.1271**.

A 20% lighter version of the original color is **57.3104, 59.1620, 103.0066**, and **14.8009, 13.2542, 47.1256** is the 20% darker color. If you saturate the color by 10%, you get **28.5967, 24.9516, 86.5286**, and if you desaturate by 10%, it is **40.8747, 39.7589, 88.7396**.

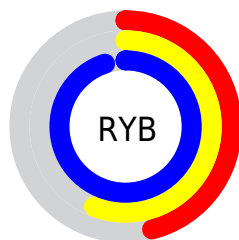
Distribution



Red (46%)

Green (58%)

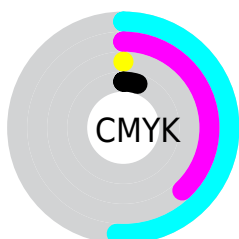
Blue (95%)



Red (46%)

Yellow (56%)

Blue (95%)

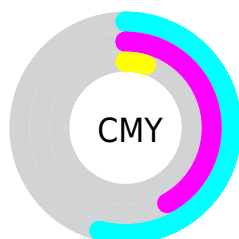


Cyan (51%)

Magenta (38%)

Yellow (0%)

Black (5%)



Cyan (54%)


Magenta (42%)


Yellow (5%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 34.0958, 31.6973, 87.5402 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 34.0958, 31.6973, 87.5402 by changing the saturation by 10% instead.


 34.0958, 31.6973,
87.5402


 34.0958, 31.6973,
87.5402


312.1374,
309.7380, 540.3585


 23.1304, 21.1304,
65.3802

 65.4259, 62.3362,
145.8224

 14.8111, 13.2194,
47.3161


 86.5214, 83.1771,
182.7816

 8.7724, 7.5798,
32.9295


 111.7243,
108.2114, 225.5109

 4.6489, 3.8272,
21.8018

141.3999,
137.8235, 274.4289

 2.0754, 1.5774,
13.5144

175.9137,
172.3978, 329.9541

 0.6758, 0.3423,
7.6488


215.6310,


 0.0000, 0.0000,


212.3187, 392.5051


3.7865

260.9171,
257.9707, 462.5004


 0.0000, 0.0000,
1.5090

 0.0000, 0.0000,
0.2246


 34.0958, 31.6973,
87.5402

 34.0958, 31.6973,
87.5402


 28.5967, 24.9516,
86.5286


 40.8747, 39.7589,
88.7396


 24.2885, 19.4447,
85.6927

 49.0068, 49.2011,
90.1335

 21.0760, 15.0954,
85.0226

 58.5641, 60.0879,
91.7312

 18.8461, 11.8103,
84.5060

 69.6124, 72.4782,
93.5404

■ 17.5320, 9.6603,
84.1603

■ 82.2132, 86.4276,
95.5688

■ 92.8773, 99.1309,
97.4587

Harmonies

Analogous

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



26.9653, 31.6973, 88.2935



34.0958, 31.6973, 87.5402



41.1165, 31.6973, 69.4340

Triad

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



34.0958, 31.6973, 87.5402



40.6443, 31.6973, 13.2582



18.6940, 31.6973, 25.9466

Complementary

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



34.0958, 31.6973, 87.5402



62.5938, 66.1043, 26.6016

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.



21.2946, 31.6973, 13.8499



34.0958, 31.6973, 87.5402



33.5274, 31.6973, 8.7259

Square

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



34.0958, 31.6973, 87.5402



45.2852, 31.6973, 24.7202



26.4794, 31.6973, 8.8883



18.7968, 31.6973, 46.6007

Rectangle

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



34.0958, 31.6973, 87.5402



44.4630, 31.6973, 52.9270



26.4794, 31.6973, 8.8883



19.2609, 31.6973, 20.9580

Sweetspot

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



34.0970, 31.6984, 87.5410



73.8934, 76.5383, 105.4865



50.3375, 71.3270, 70.9193



15.2484, 15.7455, 22.4855



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.



34.0970, 31.6984, 87.5410



32.4270, 28.2624, 98.3538



34.3360, 25.4848, 86.3290



15.2209, 15.8760, 19.9838



9.5974, 5.4191, 45.6680



0.8752, 0.6043, 3.8247

Inverse Universe

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



48.1799, 33.8290, 32.4249



50.3793, 32.1231, 27.8377



61.9643, 78.2611, 28.9813



15.9362, 15.8242, 17.2203



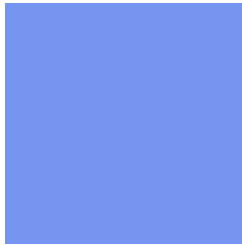
20.1700, 10.3404, 3.5456



1.7167, 0.8757, 0.4989

Previews

White Background



This preview shows how the XYZ color 34.0958, 31.6973, 87.5402 looks on a white background.

Color Contrast Check

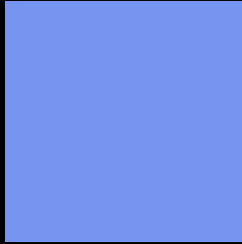
Large Text (above 18pt) WCAG AA × Fail

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 34.0958, 31.6973, 87.5402 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

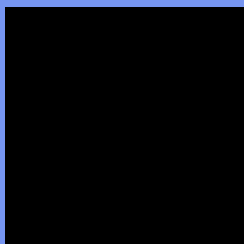
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 34.0958, 31.6973, 87.5402

Background



This preview shows how black text looks on a background with the XYZ color 34.0958, 31.6973, 87.5402.



This preview shows how white text looks on a background with the XYZ color 34.0958, 31.6973,

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

34.0958, 31.6973, 87.5402

Protanopia

33.9607, 31.6277, 87.5339

Deuteranopia

32.6653, 31.6908, 86.8334



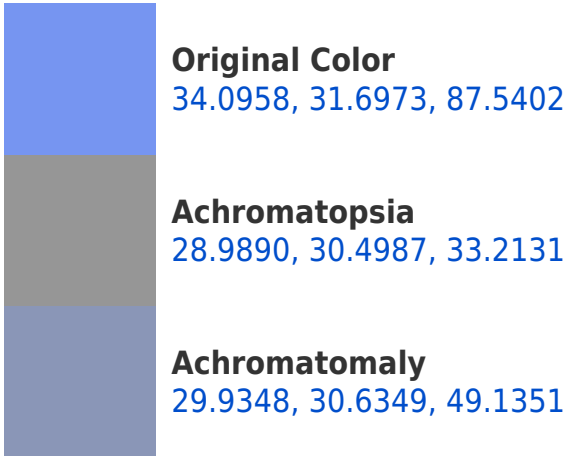
Tritanopia

25.8634, 31.8704, 45.8627

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.0958, 31.6973, 87.5402 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, 149, 241)` looks like.

```
.text, #text, p{  
    color:rgb(118, 149, 241)  
}
```

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, 149, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 149, 241) }
```

Border

The CSS property to change the border of an element to XYZ 34.0958, 31.6973, 87.5402 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, 149, 241) }
```


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

```
.border{ border-color:rgb(118, 149, 241) }
```

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

Here you see how a box with a 4 pixel rgb(118, 149, 241) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 149, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 149, 241);  
box-shadow:4px 4px 4px 4px rgb(118, 149,  
241) }
```

Background

The CSS property to change the background color of an element to XYZ 34.0958, 31.6973, 87.5402 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 149, 241) }
```

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

```
.background{ background-color: rgb(118,  
149, 241) }
```

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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