

Converting Colors

XYZ(34.2360, 32.0239, 80.7580)

Have a look what the booklet for
XYZ(34.2360, 32.0239, 80.7580)
contains.

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Color

**XYZ(34.2150, 31.9103,
80.6999)**

Conversions

Conversions Part 1

Format	Color
Hex	8095E8
RGB	128, 149, 232
RGB Percent	50%, 58%, 91%
CMY	0.4980, 0.4157, 0.0902
CMYK	0.45, 0.36, 0.00, 0.09
HSL	228°, 69%, 71%
HSV	228°, 45%, 91%
XYZ	34.2150, 31.9103, 80.6999
YIQ	152.1830, -39.1590, 21.3610

Conversions

Conversions Part 2

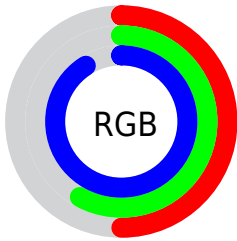
Format	Color
R _Y B	128, 145, 232
Decimal	8426984
CIE Lab	63.27, 14.01, -44.33
CIE LCh	63, 46.486, 287.537
Yxy	31.9103, 0.2330, 0.2173
Android (android.graphics.Color)	4286617064 (0xFF8095E8)
YUV	152.1830, 39.3498, -21.2085
Hunter-Lab	56.4892, 9.2597, -45.1586

Details

The XYZ color **34.2150, 31.9103, 80.6999** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **60.4705, 65.3045, 29.8415**, and the grayscale version is **29.7726, 31.3231, 34.1108**.

A 20% lighter version of the original color is **59.4135, 60.2462, 103.1050**, and **14.8968, 13.3979, 42.8752** is the 20% darker color. If you saturate the color by 10%, you get **28.4159, 24.9127, 79.6555**, and if you desaturate by 10%, it is **41.2799, 40.2528, 81.9384**.

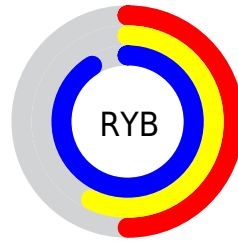
Distribution



Red (50%)

Green (58%)

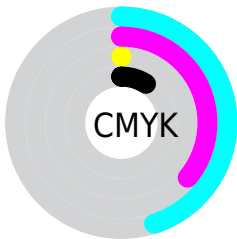
Blue (91%)



Red (50%)

Yellow (57%)

Blue (91%)

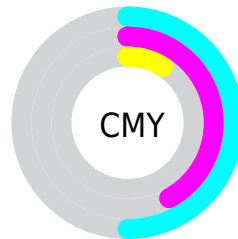


Cyan (45%)

Magenta (36%)

Yellow (0%)

Black (9%)



Cyan (50%)

Magenta (42%)

Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 34.2150, 31.9103, 80.6999 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 34.2150, 31.9103, 80.6999 by changing the saturation by 10% instead.

■ 34.2150, 31.9103,
80.6999

■ 34.2150, 31.9103,
80.6999

312.6587,
310.7104, 517.0573

■ 23.2225, 21.2930,
59.7649

■ 65.6099, 62.6704,
136.1696

■ 14.8795, 13.3383,
42.8051

■ 86.7431, 83.5821,
171.5414

■ 8.8206, 7.6619,
29.4020

■ 111.9872,
108.6939, 212.5625

■ 4.6805, 3.8794,
19.1369

141.7075,
138.3904, 259.6515

■ 2.0939, 1.6063,
11.5914

176.2695,
173.0559, 313.2270

■ 0.6859, 0.3619,
6.3470

216.0384,

■ 0.0000, 0.0000,

213.0748, 373.7074

2.9850

261.3797,
258.8315, 441.5113

■ 0.0000, 0.0000,
1.0870

■ 0.0000, 0.0000,
0.0000

■ 34.2150, 31.9103,
80.6999

■ 34.2150, 31.9103,
80.6999

■ 28.4159, 24.9127,
79.6555

■ 41.2799, 40.2528,
81.9384

■ 23.8019, 19.1843,
78.7930

■ 49.6775, 50.0035,
83.3779

■ 20.2886, 14.6468,
78.1023

■ 59.4739, 61.2258,
85.0277

■ 17.7777, 11.2111,
77.5715

■ 70.7301, 73.9780,
86.8958

■ 16.1521, 8.7740,
77.1868

■ 83.5031, 88.3153,
88.9900

■ 15.5759, 7.8468,
77.0382

■ 91.5656, 98.6062,
90.5514

Harmonies

Analogous

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



27.7359, 31.9103, 82.1331



34.2150, 31.9103, 80.6999



40.4095, 31.9103, 64.5968

Triad

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



34.2150, 31.9103, 80.6999



39.4784, 31.9103, 14.6041



19.7768, 31.9103, 27.6417

Complementary

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



34.2150, 31.9103, 80.6999



60.4705, 65.3045, 29.8415

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.



22.0833, 31.9103, 15.8852



34.2150, 31.9103, 80.6999



33.0805, 31.9103, 10.3512

Square

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



34.2150, 31.9103, 80.6999



43.7313, 31.9103, 25.1194



26.7504, 31.9103, 10.7179



19.9909, 31.9103, 46.5602

Rectangle

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



34.2150, 31.9103, 80.6999



43.2685, 31.9103, 50.1278



26.7504, 31.9103, 10.7179



20.2678, 31.9103, 22.8829

Sweetspot

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



34.2162, 31.9114, 80.7007



76.0214, 78.5122, 105.7553



49.3263, 66.9299, 70.9450



15.6472, 16.0941, 22.5317



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.



34.2162, 31.9114, 80.7007



35.5677, 31.3051, 98.7756



36.2819, 28.4812, 79.9297



13.8173, 14.3561, 18.1871



8.7183, 4.4987, 42.7920



0.7093, 0.4626, 3.1839

Inverse Universe

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



46.4237, 34.7654, 32.6984



52.7551, 36.1001, 31.0173



57.2556, 71.9037, 31.2847



14.4954, 14.4153, 15.5431



18.7941, 9.6519, 2.5448



1.4217, 0.7264, 0.3610

Previews

White Background



This preview shows how the XYZ color 34.2150, 31.9103, 80.6999 looks on a white background.

Color Contrast Check

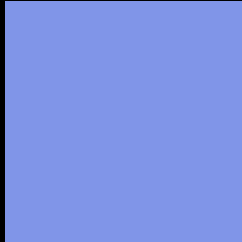
Large Text (above 18pt) WCAG AA × Fail

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 34.2150, 31.9103, 80.6999 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

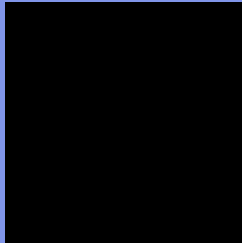
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 34.2150, 31.9103, 80.6999

Background



This preview shows how black text looks on a background with the XYZ color 34.2150, 31.9103, 80.6999.



This preview shows how white text looks on a background with the XYZ color 34.2150, 31.9103,

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

34.2150, 31.9103, 80.6999

Protanopia

33.7827, 31.9068, 81.4689

Deuteranopia

32.7223, 31.8708, 80.0283



Tritanopia

27.0669, 31.9905, 44.7926

Trichromacy



Original Color

34.2150, 31.9103, 80.6999

Protanomaly

34.0718, 32.0559, 81.4824

Deuteranomaly

33.2361, 31.8958, 80.0061

Tritanomaly

29.3785, 31.9056, 56.2397

Monochromacy



Original Color

34.2150, 31.9103, 80.6999

Achromatopsia

29.8446, 31.3989, 34.1934

Achromatomaly

30.7348, 31.3091, 48.1394

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.2150, 31.9103, 80.6999 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(128, 149, 232)` looks like.

```
.text, #text, p{  
    color:rgb(128, 149, 232)  
}
```

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(128, 149, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 149, 232) }
```

Border

The CSS property to change the border of an element to XYZ 34.2150, 31.9103, 80.6999 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(128, 149, 232) }
```


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

```
.border{ border-color:rgb(128, 149, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 149, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 149, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 149, 232);  
box-shadow:4px 4px 4px 4px rgb(128, 149,  
232) }
```

Background

The CSS property to change the background color of an element to XYZ 34.2150, 31.9103, 80.6999 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 149, 232) }
```

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

```
.background{ background-color: rgb(128,  
149, 232) }
```

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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