

Converting Colors

XYZ(31.4938, 34.0472, 83.0347)

Have a look what the booklet for
XYZ(31.4938, 34.0472, 83.0347)
contains.

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Color

**XYZ(31.3418, 33.8842,
82.7303)**

Conversions

Conversions Part 1

Format	Color
Hex	51A3EA
RGB	81, 163, 234
RGB Percent	32%, 64%, 92%
CMY	0.6823, 0.3608, 0.0823
CMYK	0.65, 0.30, 0.00, 0.08
HSL	208°, 78%, 62%
HSV	208°, 65%, 92%
XYZ	31.3418, 33.8842, 82.7303
YIQ	146.5760, -71.6630, 4.6970

Conversions

Conversions Part 2

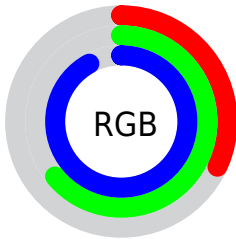
Format	Color
R _Y B	81, 134, 234
Decimal	5350378
CIE Lab	64.87, -3.15, -43.07
CIE LCh	65, 43.184, 265.822
Yxy	33.8842, 0.2118, 0.2290
Android (android.graphics.Color)	4283540458 (0xFF51A3EA)
YUV	146.5760, 43.1000, -57.5102
Hunter-Lab	58.2101, -5.7589, -43.5179

Details

The XYZ color **31.3418, 33.8842, 82.7303** is a light color, and the websafe version is hex **6699CC**. The color can be described as light muted azure. A complement of this color would be **46.6470, 40.5458, 13.1539**, and the grayscale version is **27.4090, 28.8364, 31.4028**.

A 20% lighter version of the original color is **54.6230, 63.2921, 103.9454**, and **13.8301, 14.8027, 44.2478** is the 20% darker color. If you saturate the color by 10%, you get **27.8251, 29.3312, 82.0375**, and if you desaturate by 10%, it is **35.7172, 39.1267, 83.5123**.

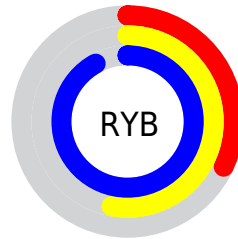
Distribution



Red (32%)

Green (64%)

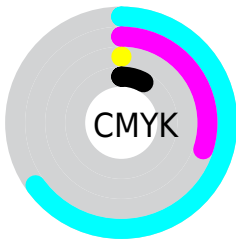
Blue (92%)



Red (32%)

Yellow (53%)

Blue (92%)

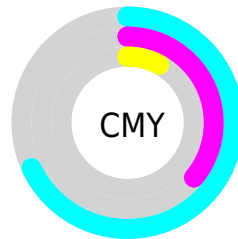


Cyan (65%)

Magenta (30%)

Yellow (0%)

Black (8%)



Cyan (68%)

Magenta (36%)

Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.3418, 33.8842, 82.7303 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 31.3418, 33.8842, 82.7303 by changing the saturation by 10% instead.

■ 31.3418, 33.8842,
82.7303

■ 31.3418, 33.8842,
82.7303

299.9087,
319.6154, 524.0347

■ 21.0124, 22.8047,
61.4284

■ 61.1500, 65.7536,
139.0435

■ 13.2456, 14.4493,
44.1382

■ 81.3595, 87.3121,
174.8919

■ 7.6760, 8.4338,
30.4412

■ 105.5930,
113.1325, 216.4261

■ 3.9384, 4.3738,
19.9188

■ 134.2159,
143.5991, 264.0648

■ 1.6673, 1.8848,
12.1525

167.5936,
179.0963, 318.2265

■ 0.4357, 0.5392,
6.7238

206.0914,

■ 0.0000, 0.0000,

220.0085, 379.3296

3.2142

250.0746,
266.7201, 447.7929

■ 0.0000, 0.0000,
1.2050

■ 0.0000, 0.0000,
0.0000

■ 31.3418, 33.8842,
82.7303

■ 31.3418, 33.8842,
82.7303

■ 27.8251, 29.3312,
82.0375

■ 35.7172, 39.1267,
83.5123

■ 25.0847, 25.4176,
81.4266

■ 41.0153, 45.0960,
84.3852

■ 23.0261, 22.0887,
80.8925

■ 47.2980, 51.8304,
85.3540

■ 22.2368, 20.7114,
80.6683

■ 54.6202, 59.3637,
86.4221

■ 63.0324, 67.7272,
87.5931

■ 72.5818, 76.9506,
88.8701

■ 83.3126, 87.0617,
90.2561

■ 90.2385, 95.4948,
91.5188

■ 91.8514, 98.7206,
92.0565

Harmonies

Analogous

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



25.9391, 33.8842, 73.1405



31.3418, 33.8842, 82.7303



37.7060, 33.8842, 77.1526

Triad

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



31.3418, 33.8842, 82.7303



44.2263, 33.8842, 23.8863



23.2838, 33.8842, 20.7933

Complementary

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



31.3418, 33.8842, 82.7303



46.6470, 40.5458, 13.1539

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.



27.2685, 33.8842, 13.8404



31.3418, 33.8842, 82.7303



39.4087, 33.8842, 15.1804

Square

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



31.3418, 33.8842, 82.7303



45.6792, 33.8842, 39.4481



33.0858, 33.8842, 12.1788



21.6825, 33.8842, 34.4528

Rectangle

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



31.3418, 33.8842, 82.7303



41.5755, 33.8842, 66.3100



33.0858, 33.8842, 12.1788



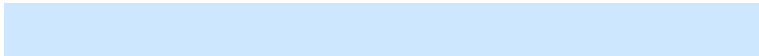
24.3618, 33.8842, 17.7903

Sweetspot

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



31.3430, 33.8854, 82.7312



71.6209, 77.3955, 105.7717



38.3105, 62.7932, 38.8942



14.7212, 15.9585, 22.5544



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.



31.3430, 33.8854, 82.7312



32.7299, 34.1504, 99.4744



21.7895, 14.7783, 79.5466



14.8998, 15.8860, 19.2033



12.6231, 11.8932, 45.3733



1.0874, 1.1262, 3.5949

Inverse Universe

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



43.4861, 26.0232, 37.3822



49.2427, 26.7315, 37.0723



62.7095, 72.6708, 18.5080



15.4030, 15.1890, 17.4073



21.2269, 10.6934, 12.2619



1.7153, 0.8591, 1.2184

Previews

White Background



This preview shows how the XYZ color 31.3418, 33.8842, 82.7303 looks on a white background.

Color Contrast Check

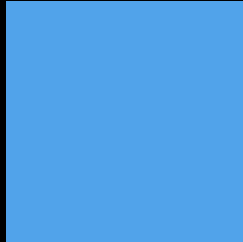
Large Text (above 18pt) WCAG AA × Fail

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 31.3418, 33.8842, 82.7303 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

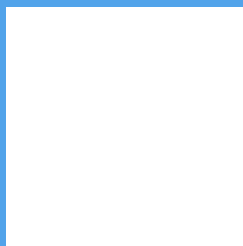
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 31.3418, 33.8842, 82.7303

Background



This preview shows how black text looks on a background with the XYZ color 31.3418, 33.8842, 82.7303.

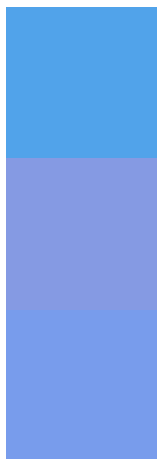


This preview shows how white text looks on a background with the XYZ color 31.3418, 33.8842,

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

31.3418, 33.8842, 82.7303

Protanopia

35.0936, 33.6438, 77.3173

Deuteranopia

34.7745, 33.8261, 84.0532



Tritanopia

25.1368, 33.8345, 51.6602

Trichromacy



Original Color

31.3418, 33.8842, 82.7303

Protanomaly

33.2793, 33.4045, 79.5566

Deuteranomaly

33.3374, 33.8586, 83.3756

Tritanomaly

27.0818, 33.7777, 61.5923

Monochromacy



Original Color

31.3418, 33.8842, 82.7303

Achromatopsia

27.7328, 29.1771, 31.7738

Achromatomaly

27.6963, 30.2481, 47.0265

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.3418, 33.8842, 82.7303 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(81, 163, 234)` looks like.

```
.text, #text, p{  
    color:rgb(81, 163, 234)  
}
```

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(81, 163, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(81, 163, 234) }
```

Border

The CSS property to change the border of an element to XYZ 31.3418, 33.8842, 82.7303 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(81, 163, 234) }
```


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

```
.border{ border-color:rgb(81, 163, 234) }
```

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

Here you see how a box with a 4 pixel `rgb(81, 163, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(81, 163, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(81, 163, 234);  
box-shadow:4px 4px 4px 4px rgb(81, 163,  
234) }
```

Background

The CSS property to change the background color of an element to XYZ 31.3418, 33.8842, 82.7303 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(81, 163, 234) }
```

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

```
.background{ background-color: rgb(81, 163,  
234) }
```

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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