

Converting Colors

XYZ(30.8464, 34.1482, 82.8410)

Have a look what the booklet for
XYZ(30.8464, 34.1482, 82.8410)
contains.

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Color

**XYZ(30.8322, 34.1529,
82.8090)**

Conversions

Conversions Part 1

Format	Color
Hex	46A5EA
RGB	70, 165, 234
RGB Percent	27%, 65%, 92%
CMY	0.7254, 0.3529, 0.0823
CMYK	0.70, 0.29, 0.00, 0.08
HSL	205°, 80%, 60%
HSV	205°, 70%, 92%
XYZ	30.8322, 34.1529, 82.8090
YIQ	144.4610, -78.7690, 1.3190

Conversions

Conversions Part 2

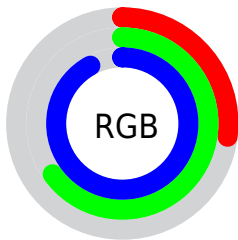
Format	Color
RYB	70, 130, 234
Decimal	4629994
CIELab	65.08, -5.95, -42.76
CIELCh	65, 43.171, 262.082
Yxy	34.1529, 0.2086, 0.2311
Android (android.graphics.Color)	4282820074 (0xFF46A5EA)
YUV	144.4610, 44.1427, -65.3023
Hunter-Lab	58.4405, -8.0973, -43.1044

Details

The XYZ color **30.8322, 34.1529, 82.8090** is a light color, and the websafe version is hex **3399CC**. The color can be described as light muted azure. A complement of this color would be **44.2717, 36.4028, 10.4891**, and the grayscale version is **26.5469, 27.9294, 30.4152**.

A 20% lighter version of the original color is **53.7965, 63.6406, 104.0562**, and **13.9410, 15.0246, 44.2847** is the 20% darker color. If you saturate the color by 10%, you get **27.7532, 30.0305, 82.1763**, and if you desaturate by 10%, it is **34.7076, 38.8899, 83.5198**.

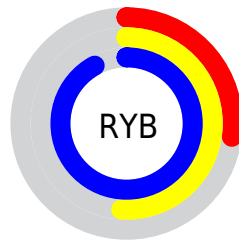
Distribution



Red (27%)

Green (65%)

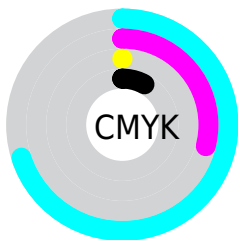
Blue (92%)



Red (27%)

Yellow (51%)

Blue (92%)

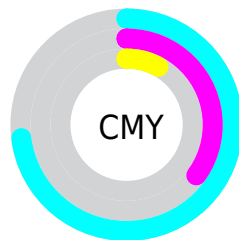


Cyan (70%)

Magenta (29%)

Yellow (0%)

Black (8%)



Cyan (73%)

Magenta (35%)

Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.8322, 34.1529, 82.8090 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 30.8322, 34.1529, 82.8090 by changing the saturation by 10% instead.

■ 30.8322, 34.1529,
82.8090

■ 30.8322, 34.1529,
82.8090

297.6052,
320.8133, 524.3041

■ 20.6223, 23.0111,
61.4929

■ 60.3534, 66.1714,
139.1548

■ 12.9591, 14.6017,
44.1899

■ 80.3955, 87.8168,
175.0215

■ 7.4772, 8.5403,
30.4816

■ 104.4456,
113.7323, 216.5755

■ 3.8112, 4.4426,
19.9493

■ 132.8692,
144.3021, 264.2354

■ 1.5959, 1.9241,
12.1744

166.0316,
179.9107, 318.4197

■ 0.3897, 0.5628,
6.7386

204.2982,

■ 0.0000, 0.0000,

220.9425, 379.5468

3.2232

248.0343,
267.7819, 448.0354

■ 0.0000, 0.0000,
1.2097

■ 0.0000, 0.0000,
0.0000

■ 30.8322, 34.1529,
82.8090

■ 30.8322, 34.1529,
82.8090

■ 27.7532, 30.0305,
82.1763

■ 34.7076, 38.8899,
83.5198

■ 25.3826, 26.4712,
81.6142

■ 39.4469, 44.2791,
84.3102

■ 23.5917, 23.4211,
81.1199

■ 45.1141, 50.3582,
85.1849

■ 51.7654, 57.1604,
86.1473

■ 59.4524, 64.7163,
87.2006

■ 68.2228, 73.0545,
88.3478

■ 78.1214, 82.2017,
89.5916

■ 88.3719, 91.7615,
90.8966

■ 91.4102, 97.8382,
91.9094

Harmonies

Analogous

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



25.6159, 34.1529, 71.5224



30.8322, 34.1529, 82.8090



37.1966, 34.1529, 79.1163

Triad

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



30.8322, 34.1529, 82.8090



44.9325, 34.1529, 25.6812



23.8664, 34.1529, 19.7792

Complementary

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



30.8322, 34.1529, 82.8090



44.2717, 36.4028, 10.4891

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.



28.1460, 34.1529, 13.5270



30.8322, 34.1529, 82.8090



40.4289, 34.1529, 16.0924

Square

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



30.8322, 34.1529, 82.8090



45.8927, 34.1529, 42.1374



34.1468, 34.1529, 12.4374



21.9452, 34.1529, 32.6398

Rectangle

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



30.8322, 34.1529, 82.8090



41.2088, 34.1529, 69.0632



34.1468, 34.1529, 12.4374



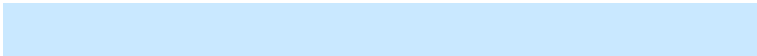
25.0485, 34.1529, 17.0305

Sweetspot

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



30.8335, 34.1541, 82.8099



71.2473, 77.6775, 105.8459



36.5617, 61.9935, 34.2129



14.6753, 16.0665, 22.5776



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.



30.8335, 34.1541, 82.8099



32.3892, 34.5527, 99.5700



20.5232, 13.5335, 79.3731



14.9559, 15.9983, 19.2220



13.3843, 13.4156, 45.6270



1.1458, 1.2431, 3.6144

Inverse Universe

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



42.9145, 24.5909, 38.0830



48.8063, 25.5442, 37.8961



60.7190, 69.2973, 15.9716



15.4313, 15.2004, 17.5565



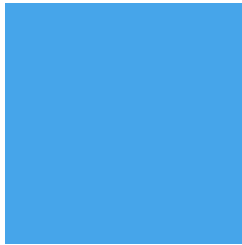
21.6111, 10.8471, 14.2852



1.7449, 0.8709, 1.3738

Previews

White Background



This preview shows how the XYZ color 30.8322, 34.1529, 82.8090 looks on a white background.

Color Contrast Check

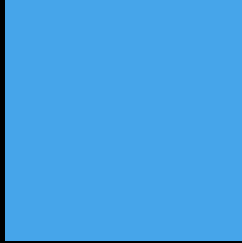
Large Text (above 18pt) WCAG AA × Fail

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 30.8322, 34.1529, 82.8090 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

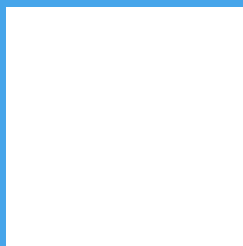
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 30.8322, 34.1529, 82.8090

Background



This preview shows how black text looks on a background with the XYZ color 30.8322, 34.1529, 82.8090.

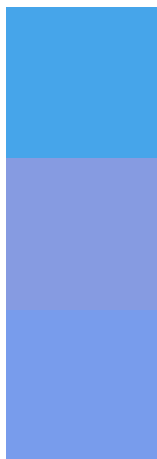


This preview shows how white text looks on a background with the XYZ color 30.8322, 34.1529,

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

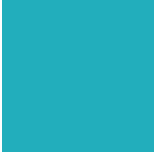
30.8322, 34.1529, 82.8090

Protanopia

35.1435, 33.9473, 75.9344

Deuteranopia

34.7745, 33.8261, 84.0532



Tritanopia

24.8728, 34.2430, 52.8756

Trichromacy



Original Color

30.8322, 34.1529, 82.8090

Protanomaly

32.9573, 33.7772, 78.1814

Deuteranomaly

32.8730, 33.6192, 83.3538

Tritanomaly

26.7546, 34.1379, 62.9368

Monochromacy



Original Color

30.8322, 34.1529, 82.8090

Achromatopsia

26.5089, 27.8894, 30.3716

Achromatomaly

26.5002, 29.4127, 45.8755

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.8322, 34.1529, 82.8090 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(70, 165, 234)` looks like.

```
.text, #text, p{  
    color:rgb(70, 165, 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(70, 165, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(70, 165, 234) }
```

Border

The CSS property to change the border of an element to XYZ 30.8322, 34.1529, 82.8090 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(70, 165, 234) }
```


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

```
.border{ border-color:rgb(70, 165, 234) }
```

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

Here you see how a box with a 4 pixel `rgb(70, 165, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(70, 165, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(70, 165, 234);  
box-shadow:4px 4px 4px 4px rgb(70, 165,  
234) }
```

Background

The CSS property to change the background color of an element to XYZ 30.8322, 34.1529, 82.8090 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(70, 165, 234) }
```

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

```
.background{ background-color: rgb(70, 165,  
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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