

Converting Colors

XYZ(29.1968, 34.8122, 64.2121)

Have a look what the booklet for
XYZ(29.1968, 34.8122, 64.2121)
contains.

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Color

**XYZ(29.1968, 34.8122,
64.2121)**

Conversions

Conversions Part 1

Format	Color
Hex	55A9CF
RGB	85, 169, 207
RGB Percent	33%, 66%, 81%
CMY	0.6666, 0.3372, 0.1882
CMYK	0.59, 0.18, 0.00, 0.19
HSL	199°, 56%, 57%
HSV	199°, 59%, 81%
XYZ	29.1968, 34.8122, 64.2121
YIQ	148.2160, -62.2620, -5.9900

Conversions

Conversions Part 2

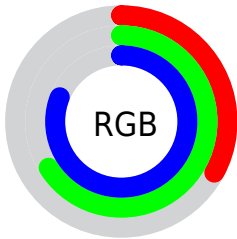
Format	Color
RYB	85, 135, 207
Decimal	5614031
CIELab	65.60, -14.37, -27.03
CIELCh	66, 30.607, 242.005
Yxy	34.8122, 0.2277, 0.2715
Android (android.graphics.Color)	4283804111 (0xFF55A9CF)
YUV	148.2160, 28.9805, -55.4404
Hunter-Lab	59.0019, -14.9234, -23.2244

Details

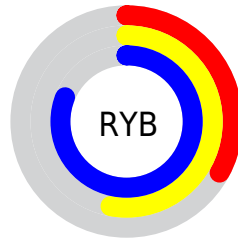
The XYZ color **29.1968, 34.8122, 64.2121** is a light color, and the websafe version is hex **3399CC**. The color can be described as light muted azure. A complement of this color would be **34.4560, 28.0888, 12.2014**, and the grayscale version is **28.1411, 29.6066, 32.2416**.

A 20% lighter version of the original color is **56.2073, 66.4606, 104.4735**, and **12.1111, 15.0225, 32.3983** is the 20% darker color. If you saturate the color by 10%, you get **26.4152, 31.6419, 63.7474**, and if you desaturate by 10%, it is **32.5894, 38.3867, 64.7239**.

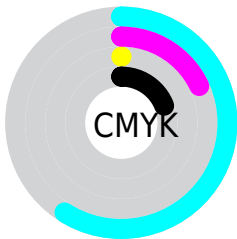
Distribution



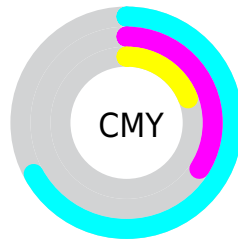
- Red (33%)
- Green (66%)
- Blue (81%)



- Red (33%)
- Yellow (53%)
- Blue (81%)



- Cyan (59%)
- Magenta (18%)
- Yellow (0%)
- Black (19%)



- Cyan (67%)
- Magenta (34%)
- Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.1968, 34.8122, 64.2121 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 29.1968, 34.8122, 64.2121 by changing the saturation by 10% instead.

■ 29.1968, 34.8122,
64.2121

■ 29.1968, 34.8122,
64.2121

290.1199,
323.7386, 458.1836

■ 19.3748, 23.5182,
46.3752

■ 57.7850, 67.1947,
112.5187

■ 12.0470, 14.9766,
32.1912

■ 77.2819, 89.0521,
143.8256

■ 6.8481, 8.8030,
21.2416

■ 100.7345,
115.1994, 180.4595

■ 3.4128, 4.6129,
13.1077

■ 128.5081,
146.0210, 222.8389

■ 1.3756, 2.0220,
7.3712

160.9681,
181.9014, 271.3826

■ 0.2388, 0.6202,
3.6133

198.4798,

■ 0.0000, 0.0000,

223.2248, 326.5088

1.4157

241.4086,
270.3758, 388.6364

■ 0.0000, 0.0000,
0.1539

■ 0.0000, 0.0000,
0.0000

■ 29.1968, 34.8122,
64.2121

■ 29.1968, 34.8122,
64.2121

■ 26.4152, 31.6419,
63.7474

■ 32.5894, 38.3867,
64.7239

■ 24.1909, 28.8447,
63.3248

■ 36.6340, 42.3857,
65.2826

■ 22.4659, 26.3902,
62.9419

■ 41.3716, 46.8322,
65.8912

■ 21.1445, 24.2278,
62.5942

■ 46.8388, 51.7463,
66.5515

■ 21.0138, 24.0075,
62.5585

■ 53.0697, 57.1466,
67.2655

■ 60.0958, 63.0506,
68.0348

■ 67.9471, 69.4748,
68.8609

■ 76.6518, 76.4348,
69.7456

■ 79.9803, 80.7203,
70.3973

Harmonies

Analogous

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



26.2904, 34.8122, 52.5850



29.1968, 34.8122, 64.2121



33.3911, 34.8122, 68.3916

Triad

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



29.1968, 34.8122, 64.2121



42.4928, 34.8122, 37.0457



28.7179, 34.8122, 20.5589

Complementary

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



29.1968, 34.8122, 64.2121



34.4560, 28.0888, 12.2014

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.



32.7867, 34.8122, 18.1674



29.1968, 34.8122, 64.2121



40.9665, 34.8122, 26.2473

Square

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



29.1968, 34.8122, 64.2121



41.3160, 34.8122, 50.7425



37.3103, 34.8122, 19.9886



26.0320, 34.8122, 27.4381

Rectangle

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



29.1968, 34.8122, 64.2121



36.4310, 34.8122, 65.7772



37.3103, 34.8122, 19.9886



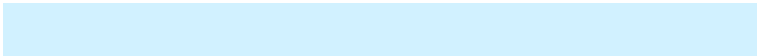
29.9559, 34.8122, 19.2840

Sweetspot

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



29.1980, 34.8135, 64.2129



75.7403, 83.5249, 106.7377



29.5484, 47.9532, 25.9829



15.6270, 17.3607, 22.7773



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.



29.1980, 34.8135, 64.2129



41.2032, 49.3399, 101.9597



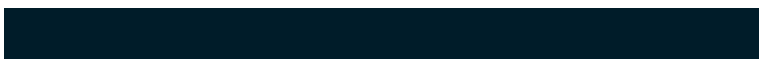
20.5216, 17.4607, 61.3208



11.8348, 12.7599, 15.0828



13.3272, 15.3010, 39.4435



0.8142, 0.9936, 2.2284

Inverse Universe

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



36.1431, 22.6283, 40.0000



53.9486, 30.2562, 56.7903



44.2239, 47.6246, 15.4574



12.1475, 11.9437, 14.0526



19.3577, 9.6159, 17.3216



1.1172, 0.5516, 1.1520

Previews

White Background



This preview shows how the XYZ color 29.1968, 34.8122, 64.2121 looks on a white background.

Color Contrast Check

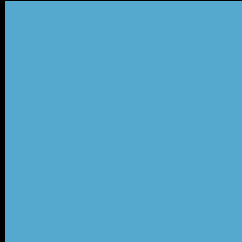
Large Text (above 18pt) WCAG AA × Fail

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 29.1968, 34.8122, 64.2121 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

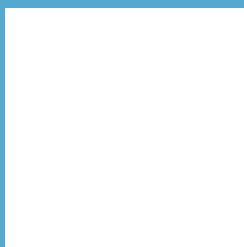
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 29.1968, 34.8122, 64.2121

Background



This preview shows how black text looks on a background with the XYZ color 29.1968, 34.8122, 64.2121.

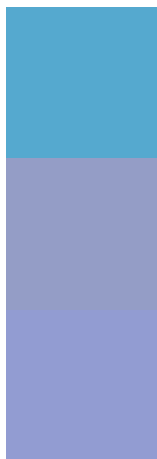


This preview shows how white text looks on a background with the XYZ color 29.1968, 34.8122,

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

29.1968, 34.8122, 64.2121

Protanopia

34.4628, 34.4871, 58.2664

Deuteranopia

35.3754, 34.5411, 65.7754



Tritanopia

26.8937, 35.0115, 52.3542

Trichromacy



Original Color

29.1968, 34.8122, 64.2121

Protanomaly

31.7449, 34.0668, 60.1607

Deuteranomaly

32.5657, 34.3783, 65.2409

Tritanomaly

27.7146, 35.0624, 56.3459

Monochromacy



Original Color

29.1968, 34.8122, 64.2121

Achromatopsia

28.1479, 29.6138, 32.2495

Achromatomaly

27.5073, 31.0015, 42.0702

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.1968, 34.8122, 64.2121 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(85, 169, 207)` looks like.

```
.text, #text, p{  
    color:rgb(85, 169, 207)  
}
```

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(85, 169, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 169, 207) }
```

Border

The CSS property to change the border of an element to XYZ 29.1968, 34.8122, 64.2121 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(85, 169, 207) }
```


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

```
.border{ border-color:rgb(85, 169, 207) }
```

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

Here you see how a box with a 4 pixel `rgb(85, 169, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(85, 169, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(85, 169, 207);  
box-shadow:4px 4px 4px 4px rgb(85, 169,  
207) }
```

Background

The CSS property to change the background color of an element to XYZ 29.1968, 34.8122, 64.2121 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(85, 169, 207) }
```

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

```
.background{ background-color: rgb(85, 169,  
207) }
```

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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