

Converting Colors

XYZ(29.1446, 35.2052, 64.1000)

Have a look what the booklet for
XYZ(29.1446, 35.2052, 64.1000)
contains.

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Color

**XYZ(29.1169, 35.0483,
64.2619)**

Conversions

Conversions Part 1

Format	Color
Hex	52AACF
RGB	82, 170, 207
RGB Percent	32%, 67%, 81%
CMY	0.6784, 0.3333, 0.1882
CMYK	0.60, 0.18, 0.00, 0.19
HSL	198°, 57%, 57%
HSV	198°, 60%, 81%
XYZ	29.1169, 35.0483, 64.2619
YIQ	147.9060, -64.3250, -7.1490

Conversions

Conversions Part 2

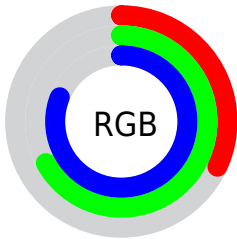
Format	Color
R_{YB}	82, 134, 207
Decimal	5417679
CIE _{Lab}	65.79, -15.47, -26.75
CIE _{LCh}	66, 30.902, 239.963
Yxy	35.0483, 0.2267, 0.2729
Android (android.graphics.Color)	4283607759 (0xFF52AACF)
YUV	147.9060, 29.1333, -57.7996
Hunter-Lab	59.2016, -15.8118, -22.9167

Details

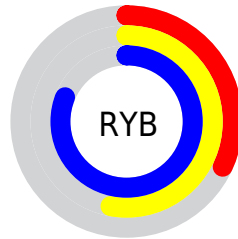
The XYZ color **29.1169, 35.0483, 64.2619** is a light color, and the websafe version is hex **3399CC**. The color can be described as light muted azure. A complement of this color would be **33.8531, 27.0697, 11.4247**, and the grayscale version is **28.0120, 29.4708, 32.0937**.

A 20% lighter version of the original color is **56.1305, 66.8212, 104.5471**, and **12.2282, 15.2568, 32.4373** is the 20% darker color. If you saturate the color by 10%, you get **26.4592, 32.0132, 63.8168**, and if you desaturate by 10%, it is **32.3733, 38.4729, 64.7519**.

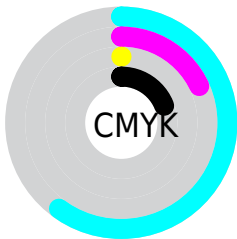
Distribution



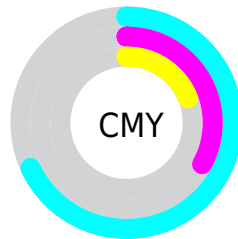
- Red (32%)
- Green (67%)
- Blue (81%)



- Red (32%)
- Yellow (53%)
- Blue (81%)



- Cyan (60%)
- Magenta (18%)
- Yellow (0%)
- Black (19%)



- Cyan (68%)
- Magenta (33%)
- Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.1169, 35.0483, 64.2619 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 29.1169, 35.0483, 64.2619 by changing the saturation by 10% instead.

■ 29.1169, 35.0483,
64.2619

■ 29.1169, 35.0483,
64.2619

289.7504,
324.7815, 458.3682

■ 19.3140, 23.7001,
46.4153

■ 57.6590, 67.5606,
112.5911

■ 12.0027, 15.1113,
32.2226

■ 77.1290, 89.4934,
143.9108

■ 6.8178, 8.8975,
21.2654

■ 100.5520,
115.7233, 180.5586

■ 3.3937, 4.6744,
13.1250

■ 128.2934,
146.6346, 222.9531

■ 1.3652, 2.0575,
7.3829

160.7186,
182.6116, 271.5127

■ 0.2312, 0.6406,
3.6207

198.1929,

■ 0.0000, 0.0000,

224.0389, 326.6561

1.4196

241.0817,
271.3007, 388.8017

■ 0.0000, 0.0000,
0.1570

■ 0.0000, 0.0000,
0.0000

■ 29.1169, 35.0483,
64.2619

■ 29.1169, 35.0483,
64.2619

■ 26.4592, 32.0132,
63.8168

■ 32.3733, 38.4729,
64.7519

■ 24.3454, 29.3362,
63.4115

■ 36.2700, 42.3073,
65.2867

■ 22.7160, 26.9863,
63.0438

■ 40.8483, 46.5748,
65.8691

■ 21.4997, 24.9792,
62.7205

■ 46.1454, 51.2954,
66.5011

■ 52.1953, 56.4876,
67.1844

■ 59.0300, 62.1689,
67.9208

■ 66.6794, 68.3557,
68.7118

■ 75.1719, 75.0636,
69.5589

■ 79.4678, 79.6955,
70.2265

Harmonies

Analogous

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



26.2847, 35.0483, 52.1133



29.1169, 35.0483, 64.2619



33.3067, 35.0483, 69.1500

Triad

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



29.1169, 35.0483, 64.2619



42.8629, 35.0483, 38.1780



29.1259, 35.0483, 20.2915

Complementary

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



29.1169, 35.0483, 64.2619



33.8531, 27.0697, 11.4247

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.



33.3181, 35.0483, 18.1694



29.1169, 35.0483, 64.2619



41.4927, 35.0483, 26.9528

Square

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



29.1169, 35.0483, 64.2619



41.4861, 35.0483, 52.1481



37.8926, 35.0483, 20.3022



26.2896, 35.0483, 26.9304

Rectangle

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



29.1169, 35.0483, 64.2619



36.3936, 35.0483, 66.9335



37.8926, 35.0483, 20.3022



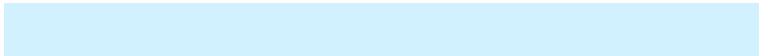
30.4101, 35.0483, 19.1041

Sweetspot

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



29.1181, 35.0496, 64.2628



75.9507, 83.9456, 106.8078



29.0291, 47.7146, 24.6397



15.6787, 17.4641, 22.7945



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.



29.1181, 35.0496, 64.2628



41.4841, 50.1870, 102.1084



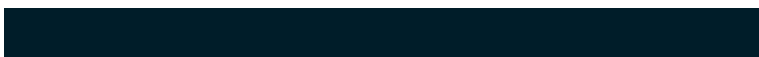
20.2210, 17.2554, 61.2971



11.8506, 12.7914, 15.0881



13.6313, 15.9093, 39.5448



0.8294, 1.0239, 2.2335

Inverse Universe

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



36.0062, 22.2035, 40.4194



54.0207, 30.0183, 57.9922



43.5606, 46.4846, 14.6605



12.1555, 11.9469, 14.0945



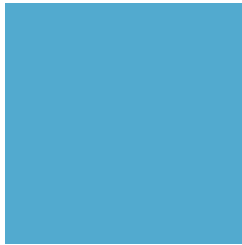
19.5112, 9.6773, 18.1300



1.1249, 0.5547, 1.1923

Previews

White Background



This preview shows how the XYZ color 29.1169, 35.0483, 64.2619 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 29.1169, 35.0483, 64.2619 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 29.1169, 35.0483, 64.2619

Background



This preview shows how black text looks on a background with the XYZ color 29.1169, 35.0483, 64.2619.

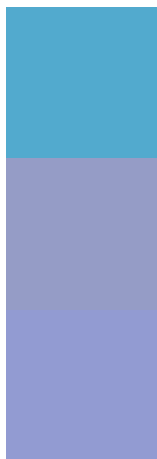


This preview shows how white text looks on a background with the XYZ color 29.1169, 35.0483,

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

29.1169, 35.0483, 64.2619

Protanopia

34.6444, 34.5807, 58.2749

Deuteranopia

35.3754, 34.5411, 65.7754



Tritanopia

26.6609, 34.8915, 52.3433

Trichromacy



Original Color

29.1169, 35.0483, 64.2619

Protanomaly

31.9204, 34.4177, 60.2192

Deuteranomaly

32.4219, 34.3041, 65.2341

Tritanomaly

27.4706, 34.9366, 56.3345

Monochromacy



Original Color

29.1169, 35.0483, 64.2619

Achromatopsia

28.1479, 29.6138, 32.2495

Achromatomaly

27.3621, 30.9266, 42.0634

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.1169, 35.0483, 64.2619 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(82, 170, 207)` looks like.

```
.text, #text, p{  
    color:rgb(82, 170, 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(82, 170, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(82, 170, 207) }
```

Border

The CSS property to change the border of an element to XYZ 29.1169, 35.0483, 64.2619 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(82, 170, 207) }
```


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

```
.border{ border-color:rgb(82, 170, 207) }
```

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

Here you see how a box with a 4 pixel `rgb(82, 170, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(82, 170, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(82, 170, 207);  
box-shadow:4px 4px 4px 4px rgb(82, 170,  
207) }
```

Background

The CSS property to change the background color of an element to XYZ 29.1169, 35.0483, 64.2619 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(82, 170, 207) }
```

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

```
.background{ background-color: rgb(82, 170,  
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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