

Converting Colors

XYZ(29.4982, 33.2986, 64.6199)

Have a look what the booklet for
XYZ(29.4982, 33.2986, 64.6199)
contains.

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Color

**XYZ(29.5194, 33.3451,
64.5549)**

Conversions

Conversions Part 1

Format	Color
Hex	62A3D0
RGB	98, 163, 208
RGB Percent	38%, 64%, 82%
CMY	0.6157, 0.3608, 0.1843
CMYK	0.53, 0.22, 0.00, 0.18
HSL	205°, 54%, 60%
HSV	205°, 53%, 82%
XYZ	29.5194, 33.3451, 64.5549
YIQ	148.6950, -53.1850, 0.2150

Conversions

Conversions Part 2

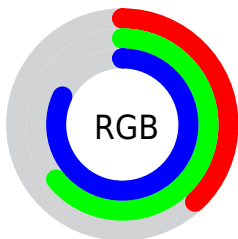
Format	Color
R _Y B	98, 139, 208
Decimal	6464464
CIE Lab	64.44, -8.12, -29.33
CIE LCh	64, 30.431, 254.530
Yxy	33.3451, 0.2317, 0.2617
Android (android.graphics.Color)	4284654544 (0xFF62A3D0)
YUV	148.6950, 29.2374, -44.4595
Hunter-Lab	57.7452, -9.8048, -25.8602

Details

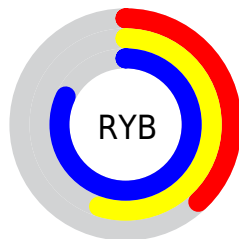
The XYZ color **29.5194, 33.3451, 64.5549** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **38.0407, 33.9382, 16.1025**, and the grayscale version is **28.3373, 29.8130, 32.4664**.

A 20% lighter version of the original color is **56.6390, 64.3314, 104.0397**, and **12.1273, 14.0261, 32.2051** is the 20% darker color. If you saturate the color by 10%, you get **26.0996, 29.4148, 63.9771**, and if you desaturate by 10%, it is **33.6262, 37.7818, 65.1954**.

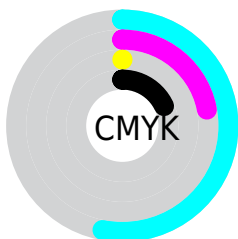
Distribution



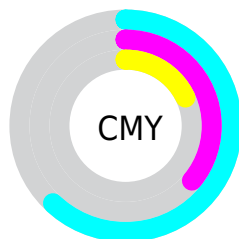
- Red (38%)
- Green (64%)
- Blue (82%)



- Red (38%)
- Yellow (55%)
- Blue (82%)



- Cyan (53%)
- Magenta (22%)
- Yellow (0%)
- Black (18%)



- Cyan (62%)
- Magenta (36%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.5194, 33.3451, 64.5549 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 29.5194, 33.3451, 64.5549 by changing the saturation by 10% instead.

■ 29.5194, 33.3451,
64.5549

■ 29.5194, 33.3451,
64.5549

291.6080,
317.2019, 459.4531

■ 19.6203, 22.3909,
46.6512

■ 58.2932, 64.9139,
113.0168

■ 12.2260, 14.1444,
32.4076

■ 77.8986, 86.2974,
144.4122

■ 6.9711, 8.2212,
21.4057

■ 101.4702,
111.9261, 181.1418

■ 3.4902, 4.2368,
13.2267

■ 129.3733,
142.1845, 223.6242

■ 1.4180, 1.8069,
7.4523

161.9732,
177.4568, 272.2780

■ 0.2690, 0.4915,
3.6638

199.6355,

■ 0.0000, 0.0000,

218.1276, 327.5218

1.4428

242.7253,
264.5811, 389.7739

■ 0.0000, 0.0000,
0.1748

■ 0.0000, 0.0000,
0.0000

■ 29.5194, 33.3451,
64.5549

■ 29.5194, 33.3451,
64.5549

■ 26.0996, 29.4148,
63.9771

■ 33.6262, 37.7818,
65.1954

■ 23.3153, 25.9594,
63.4569

■ 38.4597, 42.7463,
65.8989

■ 21.1124, 22.9487,
62.9919

■ 44.0605, 48.2630,
66.6686

■ 19.4248, 20.3454,
62.5784

■ 50.4649, 54.3532,
67.5065

■ 18.4569, 18.6973,
62.3113

■ 57.7069, 61.0371,
68.4150

■ 65.8183, 68.3338,
69.3959

■ 74.8293, 76.2612,
70.4511

■ 81.2226, 83.0087,
71.4165

■ 83.6635, 87.8905,
72.2302

Harmonies

Analogous

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



26.1090, 33.3451, 55.7788



29.5194, 33.3451, 64.5549



33.8337, 33.3451, 64.7038

Triad

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



29.5194, 33.3451, 64.5549



40.4773, 33.3451, 30.6350



26.1941, 33.3451, 21.7958

Complementary

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



29.5194, 33.3451, 64.5549



38.0407, 33.9382, 16.1025

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.



29.6456, 33.3451, 17.7382



29.5194, 33.3451, 64.5549



38.0224, 33.3451, 21.9935

Square

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



29.5194, 33.3451, 64.5549



40.4357, 33.3451, 43.0621



33.9718, 33.3451, 17.8012



24.3120, 33.3451, 30.2984

Rectangle

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



29.5194, 33.3451, 64.5549



36.6630, 33.3451, 59.7695



33.9718, 33.3451, 17.8012



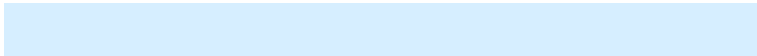
27.1947, 33.3451, 19.9628

Sweetspot

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



29.5205, 33.3463, 64.5557



76.5045, 82.8753, 106.5721



32.4765, 49.6623, 33.4668



15.9188, 17.3057, 22.7513



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.



29.5205, 33.3463, 64.5557



40.9597, 46.1334, 101.3536



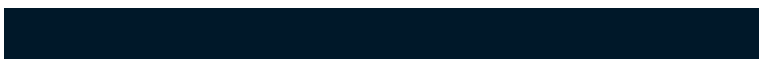
21.8921, 18.0895, 62.0129



11.7360, 12.5622, 15.0498



11.6004, 11.8474, 38.8679



0.7256, 0.8165, 2.1989

Inverse Universe

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



36.9920, 24.7909, 37.4869



54.4895, 33.0140, 51.8033



48.1842, 54.2251, 19.4836



12.0976, 11.9238, 13.7899



18.4861, 9.2673, 12.7317



1.0725, 0.5337, 0.9166

Previews

White Background



This preview shows how the XYZ color 29.5194, 33.3451, 64.5549 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 29.5194, 33.3451, 64.5549 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 29.5194, 33.3451, 64.5549

Background



This preview shows how black text looks on a background with the XYZ color 29.5194, 33.3451, 64.5549.

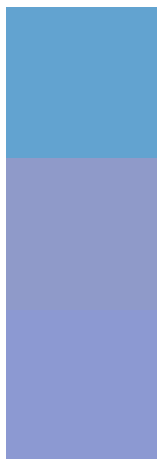


This preview shows how white text looks on a background with the XYZ color 29.5194, 33.3451,

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

29.5194, 33.3451, 64.5549

Protanopia

33.4259, 33.1679, 59.8986

Deuteranopia

33.8393, 33.0111, 65.5610



Tritanopia

26.4629, 33.4653, 48.7808

Trichromacy



Original Color

29.5194, 33.3451, 64.5549

Protanomaly

31.7085, 32.9856, 61.8224

Deuteranomaly

32.0230, 33.0774, 65.0184

Tritanomaly

27.4538, 33.3093, 54.2726

Monochromacy



Original Color

29.5194, 33.3451, 64.5549

Achromatopsia

28.5667, 30.0544, 32.7292

Achromatomaly

28.0172, 30.7593, 42.4907

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.5194, 33.3451, 64.5549 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(98, 163, 208)` looks like.

```
.text, #text, p{  
    color:rgb(98, 163, 208)  
}
```

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(98, 163, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(98, 163, 208) }
```

Border

The CSS property to change the border of an element to XYZ 29.5194, 33.3451, 64.5549 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(98, 163, 208) }
```


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

```
.border{ border-color:rgb(98, 163, 208) }
```

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

Here you see how a box with a 4 pixel `rgb(98, 163, 208)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(98, 163, 208); -webkit-box-  
shadow:4px 4px 4px 4px rgb(98, 163, 208);  
box-shadow:4px 4px 4px 4px rgb(98, 163,  
208) }
```

Background

The CSS property to change the background color of an element to XYZ 29.5194, 33.3451, 64.5549 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(98, 163, 208) }
```

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

```
.background{ background-color: rgb(98, 163,  
208) }
```

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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