

Converting Colors

XYZ(29.1816, 33.3645, 60.8405)

Have a look what the booklet for
XYZ(29.1816, 33.3645, 60.8405)
contains.

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Color

**XYZ(29.1247, 33.2254,
60.7552)**

Conversions

Conversions Part 1

Format	Color
Hex	65A3CA
RGB	101, 163, 202
RGB Percent	40%, 64%, 79%
CMY	0.6039, 0.3608, 0.2078
CMYK	0.50, 0.19, 0.00, 0.21
HSL	203°, 49%, 59%
HSV	203°, 50%, 79%
XYZ	29.1247, 33.2254, 60.7552
YIQ	148.9080, -49.4710, -1.0150

Conversions

Conversions Part 2

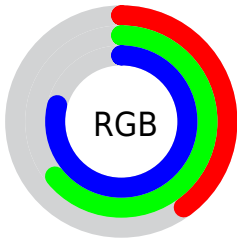
Format	Color
RYB	101, 139, 202
Decimal	6661066
CIELab	64.34, -9.22, -26.13
CIELCh	64, 27.709, 250.571
Yxy	33.2254, 0.2366, 0.2699
Android (android.graphics.Color)	4284851146 (0xFF65A3CA)
YUV	148.9080, 26.1744, -42.0153
Hunter-Lab	57.6415, -10.6813, -22.1437

Details

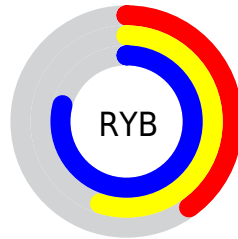
The XYZ color **29.1247, 33.2254, 60.7552** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **36.0850, 32.2533, 16.6367**, and the grayscale version is **28.4378, 29.9188, 32.5815**.

A 20% lighter version of the original color is **57.0260, 64.5309, 104.0579**, and **11.9846, 13.9992, 30.0874** is the 20% darker color. If you saturate the color by 10%, you get **25.7925, 29.5153, 60.2153**, and if you desaturate by 10%, it is **33.1003, 37.3954, 61.3512**.

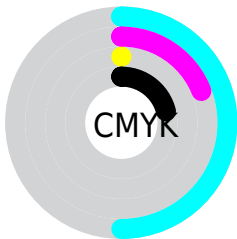
Distribution



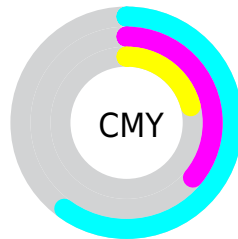
- Red (40%)
- Green (64%)
- Blue (79%)



- Red (40%)
- Yellow (55%)
- Blue (79%)



- Cyan (50%)
- Magenta (19%)
- Yellow (0%)
- Black (21%)



- Cyan (60%)
- Magenta (36%)
- Yellow (21%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.1247, 33.2254, 60.7552 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 29.1247, 33.2254, 60.7552 by changing the saturation by 10% instead.

■ 29.1247, 33.2254,
60.7552

■ 29.1247, 33.2254,
60.7552

289.7865,
316.6642, 445.2575

■ 19.3199, 22.2992,
43.5984

■ 57.6713, 64.7273,
107.4785

■ 12.0071, 14.0769,
30.0200

■ 77.1439, 86.0717,
137.8820

■ 6.8207, 8.1742,
19.6016

■ 100.5698,
111.6577, 173.5382

■ 3.3956, 4.2066,
11.9246

■ 128.3144,
141.8696, 214.8655

■ 1.3662, 1.7898,
6.5704

160.7430,
177.0918, 262.2826

■ 0.2320, 0.4808,
3.1206

198.2210,

■ 0.0000, 0.0000,

217.7087, 316.2079

1.1565

241.1137,
264.1047, 377.0601

■ 0.0000, 0.0000,
0.0000

■ 29.1247, 33.2254,
60.7552

■ 29.1247, 33.2254,
60.7552

■ 25.7925, 29.5153,
60.2153

■ 33.1003, 37.3954,
61.3512

■ 23.0575, 26.2368,
59.7267

■ 37.7548, 42.0437,
62.0031

■ 20.8718, 23.3639,
59.2873

■ 43.1248, 47.1921,
62.7138

■ 19.1780, 20.8643,
58.8941

■ 49.2430, 52.8595,
63.4852

■ 17.8689, 18.6804,
58.5416

■ 56.1404, 59.0638,
64.3192

■ 17.8686, 18.6800,
58.5415

■ 63.8457, 65.8220,
65.2176

■ 72.3864, 73.1502,
66.1819

■ 78.9349, 79.5926,
67.0803

■ 81.0970, 83.9168,
67.8010

Harmonies

Analogous

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



26.1645, 33.2254, 52.2131



29.1247, 33.2254, 60.7552



32.9909, 33.2254, 61.9897

Triad

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



29.1247, 33.2254, 60.7552



39.6330, 33.2254, 32.3385



26.9017, 33.2254, 22.0648

Complementary

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



29.1247, 33.2254, 60.7552



36.0850, 32.2533, 16.6367

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.



30.2094, 33.2254, 18.7570



29.1247, 33.2254, 60.7552



37.6949, 33.2254, 23.8144

Square

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



29.1247, 33.2254, 60.7552



39.2815, 33.2254, 43.8896



34.1690, 33.2254, 19.3227



24.9569, 33.2254, 29.4251

Rectangle

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



29.1247, 33.2254, 60.7552



35.5942, 33.2254, 58.2730



34.1690, 33.2254, 19.3227



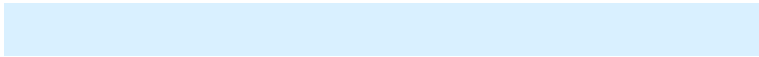
27.8791, 33.2254, 20.5192

Sweetspot

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



29.1258, 33.2266, 60.7560



77.8190, 84.3893, 106.7950



31.2011, 46.8937, 32.1097



16.1903, 17.6292, 22.7994



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.



29.1258, 33.2266, 60.7560



43.2517, 49.4892, 101.8805



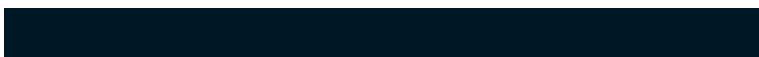
21.9096, 18.7942, 58.3506



11.1654, 11.9712, 14.2926



11.5867, 12.1973, 37.6999



0.6699, 0.7736, 1.9690

Inverse Universe

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



35.6226, 24.5094, 37.5049



55.9462, 34.7447, 55.9354



45.1673, 50.4178, 19.6641



11.4968, 11.3275, 13.1510



18.0593, 9.0343, 13.2970



0.9681, 0.4806, 0.8778

Previews

White Background



This preview shows how the XYZ color 29.1247, 33.2254, 60.7552 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 29.1247, 33.2254, 60.7552 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 29.1247, 33.2254, 60.7552

Background



This preview shows how black text looks on a background with the XYZ color 29.1247, 33.2254, 60.7552.

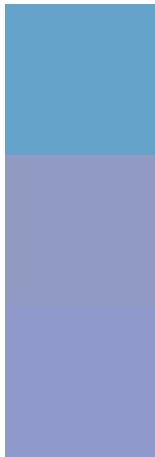


This preview shows how white text looks on a background with the XYZ color 29.1247, 33.2254,

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

29.1247, 33.2254, 60.7552

Protanopia

33.0830, 33.0711, 56.2695

Deuteranopia

33.7919, 33.0714, 61.7291



Tritanopia

26.6730, 33.3124, 48.2041

Trichromacy



Original Color

29.1247, 33.2254, 60.7552

Protanomaly

31.3033, 32.8583, 58.1185

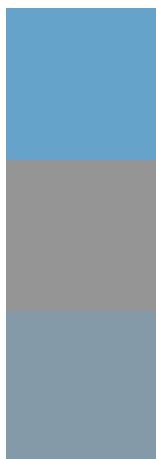
Deuteranomaly

31.7386, 33.0149, 61.1996

Tritanomaly

27.6431, 33.4447, 52.5755

Monochromacy



Original Color

29.1247, 33.2254, 60.7552

Achromatopsia

28.5667, 30.0544, 32.7292

Achromatomaly

28.1392, 30.8439, 41.5162

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.1247, 33.2254, 60.7552 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(101, 163, 202)` looks like.

```
.text, #text, p{  
    color:rgb(101, 163, 202)  
}
```

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(101, 163, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(101, 163, 202) }
```

Border

The CSS property to change the border of an element to XYZ 29.1247, 33.2254, 60.7552 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(101, 163, 202) }
```


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

```
.border{ border-color:rgb(101, 163, 202) }
```

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

Here you see how a box with a 4 pixel `rgb(101, 163, 202)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(101, 163, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(101, 163, 202);  
box-shadow:4px 4px 4px 4px rgb(101, 163,  
202) }
```

Background

The CSS property to change the background color of an element to XYZ 29.1247, 33.2254, 60.7552 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(101, 163, 202) }
```

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

```
.background{ background-color: rgb(101,  
163, 202) }
```

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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