

Converting Colors

XYZ(29.0121, 31.1517, 64.4184)

Have a look what the booklet for
XYZ(29.0121, 31.1517, 64.4184)
contains.

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Color

**XYZ(28.9322, 31.0000,
64.1332)**

Conversions

Conversions Part 1

Format	Color
Hex	699BD0
RGB	105, 155, 208
RGB Percent	41%, 61%, 82%
CMY	0.5882, 0.3921, 0.1843
CMYK	0.50, 0.25, 0.00, 0.18
HSL	211°, 52%, 61%
HSV	211°, 50%, 82%
XYZ	28.9322, 31.0000, 64.1332
YIQ	146.0920, -46.8130, 5.8830

Conversions

Conversions Part 2

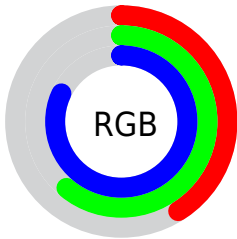
Format	Color
RYB	105, 139, 208
Decimal	6921168
CIELab	62.51, -2.05, -32.29
CIELCh	63, 32.357, 266.367
Yxy	31.0000, 0.2332, 0.2499
Android (android.graphics.Color)	4285111248 (0xFF699BD0)
YUV	146.0920, 30.5206, -36.0377
Hunter-Lab	55.6776, -4.6806, -29.3198

Details

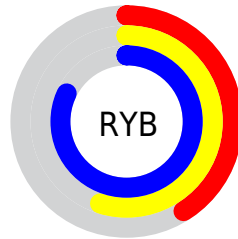
The XYZ color **28.9322, 31.0000, 64.1332** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **40.7901, 38.8849, 18.7215**, and the grayscale version is **27.2528, 28.6721, 31.2239**.

A 20% lighter version of the original color is **55.5484, 60.3980, 103.3380**, and **11.8724, 12.8049, 31.9828** is the 20% darker color. If you saturate the color by 10%, you get **25.0784, 26.4857, 63.4656**, and if you desaturate by 10%, it is **33.5434, 36.1404, 64.8829**.

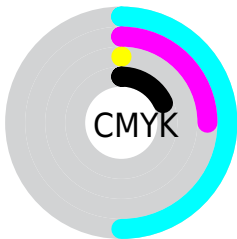
Distribution



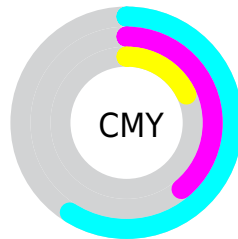
- Red (41%)
- Green (61%)
- Blue (82%)



- Red (41%)
- Yellow (55%)
- Blue (82%)



- Cyan (50%)
- Magenta (25%)
- Yellow (0%)
- Black (18%)



- Cyan (59%)
- Magenta (39%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.9322, 31.0000, 64.1332 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 28.9322, 31.0000, 64.1332 by changing the saturation by 10% instead.

■ 28.9322, 31.0000,
64.1332

■ 28.9322, 31.0000,
64.1332

288.8949,
306.5383, 457.8911

■ 19.1736, 20.5988,
46.3117

■ 57.3677, 61.2401,
112.4041

■ 11.9005, 12.8311,
32.1414

■ 76.7752, 81.8478,
143.6905

■ 6.7477, 7.3123,
21.2038

■ 100.1297,
106.6265, 180.3023

■ 3.3497, 3.6582,
13.0804

■ 127.7966,
135.9605, 222.6581

■ 1.3413, 1.4843,
7.3525

160.1412,
170.2343, 271.1763

■ 0.2138, 0.2776,
3.6018

197.5289,

■ 0.0000, 0.0000,

209.8323, 326.2755

1.4095

240.3250,
255.1388, 388.3743

■ 0.0000, 0.0000,
0.1491

■ 0.0000, 0.0000,
0.0000

■ 28.9322, 31.0000,
64.1332

■ 28.9322, 31.0000,
64.1332

■ 25.0784, 26.4857,
63.4656

■ 33.5434, 36.1404,
64.8829

■ 21.9305, 22.5630,
62.8743

■ 38.9527, 41.9318,
65.7157

■ 19.4348, 19.1986,
62.3565

■ 45.2013, 48.4018,
66.6352

■ 17.5270, 16.3528,
61.9077

■ 52.3266, 55.5750,
67.6442

■ 16.0990, 13.9628,
61.5217

■ 60.3635, 63.4748,
68.7454

■ 16.0361, 13.8557,
61.5043

■ 69.3451, 72.1232,
69.9414

■ 79.3025, 81.5413,
71.2344

■ 83.9702, 88.5040,
72.3324

■ 87.2256, 95.0148,
73.4175

Harmonies

Analogous

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



25.0267, 31.0000, 58.1856



28.9322, 31.0000, 64.1332



33.3800, 31.0000, 60.4189

Triad

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



28.9322, 31.0000, 64.1332



37.7048, 31.0000, 24.1042



22.9727, 31.0000, 22.0432

Complementary

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



28.9322, 31.0000, 64.1332



40.7901, 38.8849, 18.7215

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.



25.8680, 31.0000, 16.3790



28.9322, 31.0000, 64.1332



34.3983, 31.0000, 17.3447

Square

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



28.9322, 31.0000, 64.1332



38.7303, 31.0000, 35.3110



30.0034, 31.0000, 14.9009



21.8087, 31.0000, 32.2429

Rectangle

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



28.9322, 31.0000, 64.1332



36.0152, 31.0000, 53.3639



30.0034, 31.0000, 14.9009



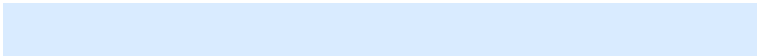
23.7607, 31.0000, 19.6541

Sweetspot

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



28.9333, 31.0011, 64.1339



76.3904, 81.5322, 106.3188



34.4258, 50.5331, 39.6156



15.8462, 16.9410, 22.6847



0.0000, 0.0000, 0.0000



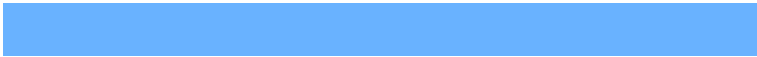
20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



28.9333, 31.0011, 64.1339



39.6606, 41.8713, 100.5994



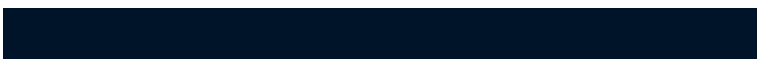
22.2636, 17.6618, 61.9107



11.6306, 12.3514, 15.0147



10.0905, 8.8275, 38.3645



0.6435, 0.6522, 2.1715

Inverse Universe

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



36.9813, 25.8808, 34.0578



54.2400, 34.4694, 45.6949



51.1188, 59.5422, 22.1644



12.0444, 11.9025, 13.5097



17.7239, 8.9624, 8.7183



1.0310, 0.5171, 0.6983

Previews

White Background



This preview shows how the XYZ color 28.9322, 31.0000, 64.1332 looks on a white background.

Color Contrast Check

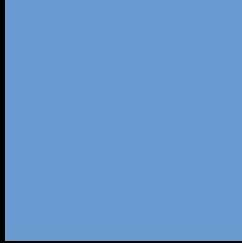
Large Text (above 18pt) WCAG AA × Fail

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 28.9322, 31.0000, 64.1332 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 28.9322, 31.0000, 64.1332

Background



This preview shows how black text looks on a background with the XYZ color 28.9322, 31.0000, 64.1332.

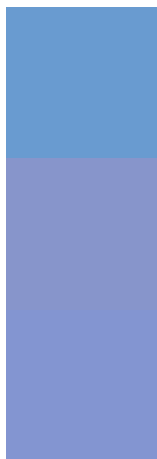


This preview shows how white text looks on a background with the XYZ color 28.9322, 31.0000,

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

28.9322, 31.0000, 64.1332

Protanopia

31.5186, 30.9576, 60.8141

Deuteranopia

31.6161, 30.9236, 64.6241



Tritanopia

25.0009, 30.9254, 44.6959

Trichromacy



Original Color

28.9322, 31.0000, 64.1332

Protanomaly

30.3982, 30.8261, 62.1055

Deuteranomaly

30.6013, 30.8742, 64.6681

Tritanomaly

26.2981, 30.9381, 51.0400

Monochromacy



Original Color

28.9322, 31.0000, 64.1332

Achromatopsia

27.3213, 28.7441, 31.3023

Achromatomaly

27.2690, 29.1848, 41.7321

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.9322, 31.0000, 64.1332 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(105, 155, 208)` looks like.

```
.text, #text, p{  
    color:rgb(105, 155, 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(105, 155, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 155, 208) }
```

Border

The CSS property to change the border of an element to XYZ 28.9322, 31.0000, 64.1332 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(105, 155, 208) }
```


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

```
.border{ border-color:rgb(105, 155, 208) }
```

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

Here you see how a box with a 4 pixel `rgb(105, 155, 208)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(105, 155, 208); -webkit-box-  
shadow:4px 4px 4px 4px rgb(105, 155, 208);  
box-shadow:4px 4px 4px 4px rgb(105, 155,  
208) }
```

Background

The CSS property to change the background color of an element to XYZ 28.9322, 31.0000, 64.1332 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(105, 155, 208) }
```

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

```
.background{ background-color: rgb(105,  
155, 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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