

Converting Colors

XYZ(29.1388, 31.9261, 67.4480)

Have a look what the booklet for
XYZ(29.1388, 31.9261, 67.4480)
contains.

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Color

**XYZ(29.2322, 32.0872,
67.6035)**

Conversions

Conversions Part 1

Format	Color
Hex	609FD5
RGB	96, 159, 213
RGB Percent	38%, 62%, 84%
CMY	0.6235, 0.3765, 0.1647
CMYK	0.55, 0.25, 0.00, 0.16
HSL	208°, 58%, 61%
HSV	208°, 55%, 84%
XYZ	29.2322, 32.0872, 67.6035
YIQ	146.3190, -54.8820, 3.4380

Conversions

Conversions Part 2

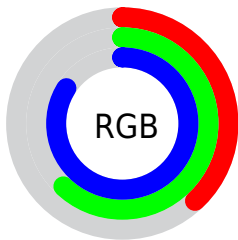
Format	Color
R _Y B	96, 137, 213
Decimal	6332373
CIE Lab	63.41, -4.80, -33.70
CIE LCh	63, 34.039, 261.889
Yxy	32.0872, 0.2267, 0.2489
Android (android.graphics.Color)	4284522453 (0xFF609FD5)
YUV	146.3190, 32.8737, -44.1298
Hunter-Lab	56.6456, -7.0140, -31.1076

Details

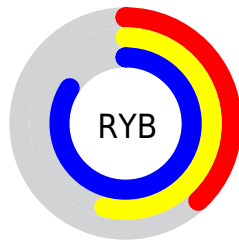
The XYZ color **29.2322, 32.0872, 67.6035** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **40.4592, 36.8046, 16.0391**, and the grayscale version is **27.3389, 28.7627, 31.3225**.

A 20% lighter version of the original color is **55.4230, 62.1832, 103.6892**, and **12.0695, 13.4698, 34.3115** is the 20% darker color. If you saturate the color by 10%, you get **25.6636, 27.8374, 66.9719**, and if you desaturate by 10%, it is **33.5445, 36.9212, 68.3099**.

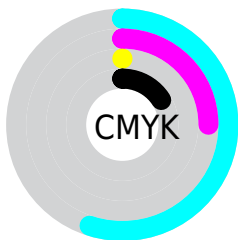
Distribution



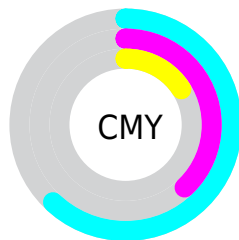
- Red (38%)
- Green (62%)
- Blue (84%)



- Red (38%)
- Yellow (54%)
- Blue (84%)



- Cyan (55%)
- Magenta (25%)
- Yellow (0%)
- Black (16%)



- Cyan (62%)
- Magenta (38%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.2322, 32.0872, 67.6035 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 29.2322, 32.0872, 67.6035 by changing the saturation by 10% instead.

■ 29.2322, 32.0872,
67.6035

■ 29.2322, 32.0872,
67.6035

290.2834,
311.5163, 470.6498

■ 19.4017, 21.4281,
49.1106

■ 57.8408, 62.9478,
117.4336

■ 12.0666, 13.4373,
34.3410

■ 77.3496, 83.9180,
149.6078

■ 6.8616, 7.7304,
22.8762

■ 100.8153,
109.0942, 187.1795

■ 3.4213, 3.9229,
14.2977

■ 128.6031,
138.8605, 230.5673

■ 1.3802, 1.6305,
8.1869

161.0785,
173.6015, 280.1897

■ 0.2421, 0.3780,
4.1253

198.6068,

■ 0.0000, 0.0000,

213.7015, 336.4652

1.6943

241.5533,
259.5450, 399.8124

■ 0.0000, 0.0000,
0.3568

■ 0.0000, 0.0000,
0.0000

■ 29.2322, 32.0872,
67.6035

■ 29.2322, 32.0872,
67.6035

■ 25.6636, 27.8374,
66.9719

■ 33.5445, 36.9212,
68.3099

■ 22.7820, 24.1362,
66.4094

■ 38.6449, 42.3649,
69.0918

■ 20.5269, 20.9481,
65.9129

■ 44.5778, 48.4463,
69.9529

■ 18.8237, 18.2299,
65.4780

■ 51.3832, 55.1901,
70.8959

■ 18.1061, 16.9956,
65.2776

■ 59.0986, 62.6195,
71.9233

■ 67.7587, 70.7567,
73.0375

■ 77.3968, 79.6226,
74.2408

■ 83.7229, 87.0092,
75.3332

■ 86.6581, 92.8797,
76.3116

Harmonies

Analogous

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



25.2202, 32.0872, 59.7114



29.2322, 32.0872, 67.6035



34.0172, 32.0872, 65.1222

Triad

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



29.2322, 32.0872, 67.6035



39.7433, 32.0872, 26.0957



23.8847, 32.0872, 21.1970

Complementary

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



29.2322, 32.0872, 67.6035



40.4592, 36.8046, 16.0391

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.



27.2301, 32.0872, 15.9078



29.2322, 32.0872, 67.6035



36.4649, 32.0872, 18.1843

Square

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



29.2322, 32.0872, 67.6035



40.4211, 32.0872, 38.7442



31.7997, 32.0872, 14.9693



22.3483, 32.0872, 31.3887

Rectangle

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



29.2322, 32.0872, 67.6035



36.9851, 32.0872, 58.1466



31.7997, 32.0872, 14.9693



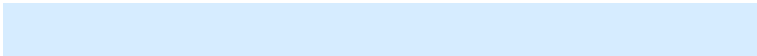
24.8175, 32.0872, 18.9083

Sweetspot

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



29.2333, 32.0884, 67.6043



75.8842, 81.6346, 106.3653



34.0160, 52.2349, 36.5783



15.7708, 17.0097, 22.7019



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.



29.2333, 32.0884, 67.6043



37.7385, 40.8038, 100.4946



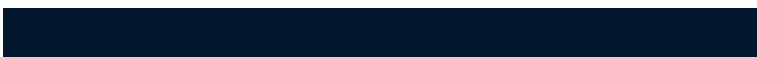
21.5718, 16.7654, 65.0505



12.2909, 13.1053, 15.8193



11.1632, 10.5881, 39.9085



0.7557, 0.8035, 2.4346

Inverse Universe

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



37.8824, 25.0162, 35.6340



52.5920, 31.2151, 45.0171



51.9018, 59.6898, 19.8533



12.7000, 12.5315, 14.3607



18.6935, 9.4137, 10.9560



1.1691, 0.5844, 0.8799

Previews

White Background



This preview shows how the XYZ color 29.2322, 32.0872, 67.6035 looks on a white background.

Color Contrast Check

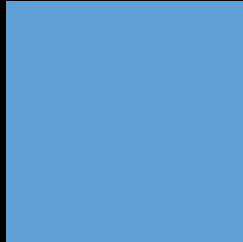
Large Text (above 18pt) WCAG AA × Fail

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 29.2322, 32.0872, 67.6035 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

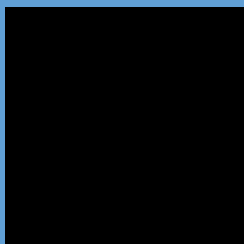
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

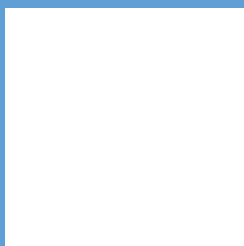
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 29.2322, 32.0872, 67.6035

Background



This preview shows how black text looks on a background with the XYZ color 29.2322, 32.0872, 67.6035.

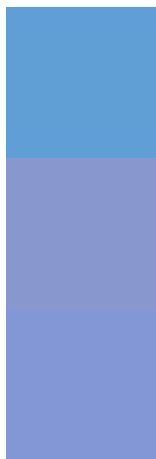


This preview shows how white text looks on a background with the XYZ color 29.2322, 32.0872,

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

29.2322, 32.0872, 67.6035

Protanopia

32.6456, 31.9566, 63.4791

Deuteranopia

32.6924, 31.8648, 68.7174



Tritanopia

25.1591, 32.0039, 47.4992

Trichromacy



Original Color

29.2322, 32.0872, 67.6035

Protanomaly

31.0903, 31.8522, 64.8311

Deuteranomaly

31.1644, 31.8178, 68.1172

Tritanomaly

26.5257, 32.0307, 54.0747

Monochromacy



Original Color

29.2322, 32.0872, 67.6035

Achromatopsia

27.3213, 28.7441, 31.3023

Achromatomaly

27.2244, 29.6247, 42.3135

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.2322, 32.0872, 67.6035 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(96, 159, 213)` looks like.

```
.text, #text, p{  
    color:rgb(96, 159, 213)  
}
```

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(96, 159, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(96, 159, 213) }
```

Border

The CSS property to change the border of an element to XYZ 29.2322, 32.0872, 67.6035 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(96, 159, 213) }
```


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

```
.border{ border-color:rgb(96, 159, 213) }
```

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

Here you see how a box with a 4 pixel `rgb(96, 159, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(96, 159, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(96, 159, 213);  
box-shadow:4px 4px 4px 4px rgb(96, 159,  
213) }
```

Background

The CSS property to change the background color of an element to XYZ 29.2322, 32.0872, 67.6035 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(96, 159, 213) }
```

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

```
.background{ background-color: rgb(96, 159,  
213) }
```

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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