

Converting Colors

XYZ(30.1629, 32.8017, 66.9871)

Have a look what the booklet for
XYZ(30.1629, 32.8017, 66.9871)
contains.

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Color

**XYZ(30.1634, 32.8381,
67.0360)**

Conversions

Conversions Part 1

Format	Color
Hex	68A0D4
RGB	104, 160, 212
RGB Percent	41%, 63%, 83%
CMY	0.5921, 0.3725, 0.1686
CMYK	0.51, 0.25, 0.00, 0.17
HSL	209°, 56%, 62%
HSV	209°, 51%, 83%
XYZ	30.1634, 32.8381, 67.0360
YIQ	149.1840, -50.0680, 4.3000

Conversions

Conversions Part 2

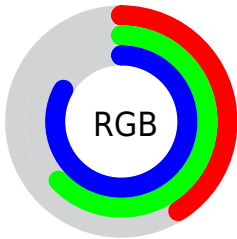
Format	Color
RYB	104, 141, 212
Decimal	6856916
CIELab	64.03, -3.91, -32.16
CIELCh	64, 32.397, 263.076
Yxy	32.8381, 0.2320, 0.2525
Android (android.graphics.Color)	4285046996 (0xFF68A0D4)
YUV	149.1840, 30.9683, -39.6264
Hunter-Lab	57.3045, -6.3259, -29.2455

Details

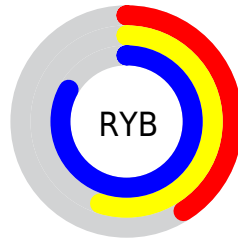
The XYZ color **30.1634, 32.8381, 67.0360** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **41.5397, 38.7750, 18.3930**, and the grayscale version is **28.5343, 30.0203, 32.6922**.

A 20% lighter version of the original color is **57.0484, 63.3979, 103.8380**, and **12.5931, 13.9071, 33.9189** is the 20% darker color. If you saturate the color by 10%, you get **26.3075, 28.3309, 66.3699**, and if you desaturate by 10%, it is **34.7854, 37.9572, 67.7811**.

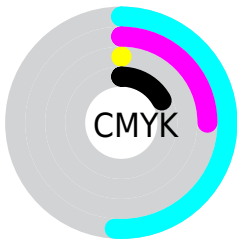
Distribution



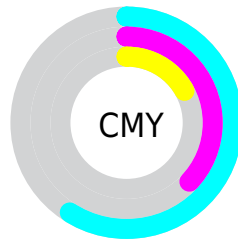
- Red (41%)
- Green (63%)
- Blue (83%)



- Red (41%)
- Yellow (55%)
- Blue (83%)



- Cyan (51%)
- Magenta (25%)
- Yellow (0%)
- Black (17%)



- Cyan (59%)
- Magenta (37%)
- Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.1634, 32.8381, 67.0360 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 30.1634, 32.8381, 67.0360 by changing the saturation by 10% instead.

■ 30.1634, 32.8381,
67.0360

■ 30.1634, 32.8381,
67.0360

■ 294.5615,
314.9196, 468.5779

■ 20.1113, 22.0024,
48.6521

■ 59.3053, 64.1227,
116.6131

■ 12.5847, 13.8587,
33.9799

■ 79.1259, 85.3404,
148.6434

■ 7.2182, 8.0225,
22.6009

■ 102.9334,
110.7876, 186.0597

■ 3.6465, 4.1093,
14.0966

■ 131.0931,
140.8487, 229.2803

■ 1.5042, 1.7349,
8.0484

■ 163.9704,
175.9080, 278.7239

■ 0.3287, 0.4461,
4.0377

■ 201.9307,

■ 0.0000, 0.0000,

216.3500, 334.8090

1.6460

245.3393,
262.5591, 397.9541

■ 0.0000, 0.0000,
0.3234

■ 0.0000, 0.0000,
0.0000

■ 30.1634, 32.8381,
67.0360

■ 30.1634, 32.8381,
67.0360

■ 26.3075, 28.3309,
66.3699

■ 34.7854, 37.9572,
67.7811

■ 23.1636, 24.4007,
65.7770

■ 40.2157, 43.7131,
68.6059

■ 20.6750, 21.0135,
65.2543

■ 46.4975, 50.1334,
69.5141

■ 18.7737, 18.1286,
64.7977

■ 53.6695, 57.2428,
70.5083

■ 17.4516, 15.8892,
64.4351

■ 61.7680, 65.0646,
71.5912

■ 70.8272, 73.6206,
72.7652

■ 80.8794, 82.9320,
74.0327

■ 84.7757, 89.3174,
75.0598

■ 87.8936, 95.5531,
76.0991

Harmonies

Analogous

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



26.2211, 32.8381, 59.9039



30.1634, 32.8381, 67.0360



34.7867, 32.8381, 64.2898

Triad

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



30.1634, 32.8381, 67.0360



40.0209, 32.8381, 26.7646



24.6962, 32.8381, 22.6589

Complementary

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



30.1634, 32.8381, 67.0360



41.5397, 38.7750, 18.3930

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.



27.8903, 32.8381, 17.2298



30.1634, 32.8381, 67.0360



36.7983, 32.8381, 19.1643

Square

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



30.1634, 32.8381, 67.0360



40.7804, 32.8381, 38.8782



32.2839, 32.8381, 16.1285



23.2706, 32.8381, 32.8039

Rectangle

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



30.1634, 32.8381, 67.0360



37.6109, 32.8381, 57.4868



32.2839, 32.8381, 16.1285



25.5828, 32.8381, 20.3335

Sweetspot

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



30.1645, 32.8393, 67.0368



76.7546, 82.2607, 106.4402



35.1197, 52.3774, 39.0071



15.9338, 17.1162, 22.7139



0.0000, 0.0000, 0.0000



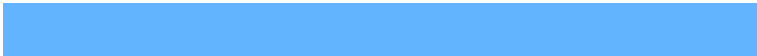
20.3446, 21.4041, 23.3091

Same Dimension

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



30.1645, 32.8393, 67.0368



39.5873, 42.5828, 100.7406



22.9143, 18.3389, 64.6201



12.2699, 13.0632, 15.8123



10.8746, 10.0109, 39.8123



0.7386, 0.7692, 2.4289

Inverse Universe

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



38.4479, 26.4370, 36.3352



53.9935, 33.5687, 46.8695



52.3044, 60.3044, 21.9813



12.6894, 12.5273, 14.3048



18.5478, 9.3555, 10.1889



1.1605, 0.5810, 0.8344

Previews

White Background



This preview shows how the XYZ color 30.1634, 32.8381, 67.0360 looks on a white background.

Color Contrast Check

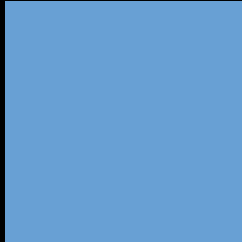
Large Text (above 18pt) WCAG AA × Fail

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 30.1634, 32.8381, 67.0360 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

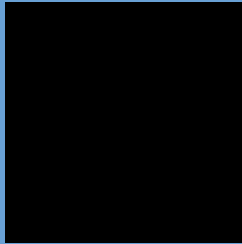
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 30.1634, 32.8381, 67.0360

Background



This preview shows how black text looks on a background with the XYZ color 30.1634, 32.8381, 67.0360.

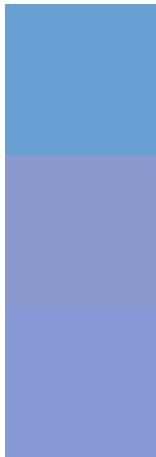


This preview shows how white text looks on a background with the XYZ color 30.1634, 32.8381,

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

30.1634, 32.8381, 67.0360

Protanopia

33.1793, 32.7277, 62.9609

Deuteranopia

33.5205, 32.7884, 68.1804



Tritanopia

26.2871, 32.8543, 47.6039

Trichromacy



Original Color

30.1634, 32.8381, 67.0360

Protanomaly

31.8778, 32.7666, 64.3190

Deuteranomaly

32.2109, 32.8661, 67.5969

Tritanomaly

27.6092, 32.8539, 54.1765

Monochromacy



Original Color

30.1634, 32.8381, 67.0360

Achromatopsia

28.5667, 30.0544, 32.7292

Achromatomaly

28.5105, 30.7476, 43.4619

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.1634, 32.8381, 67.0360 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(104, 160, 212)` looks like.

```
.text, #text, p{  
    color:rgb(104, 160, 212)  
}
```

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(104, 160, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 160, 212) }
```

Border

The CSS property to change the border of an element to XYZ 30.1634, 32.8381, 67.0360 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(104, 160, 212) }
```


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

```
.border{ border-color:rgb(104, 160, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(104, 160, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 160, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 160, 212);  
box-shadow:4px 4px 4px 4px rgb(104, 160,  
212) }
```

Background

The CSS property to change the background color of an element to XYZ 30.1634, 32.8381, 67.0360 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 160, 212) }
```

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

```
.background{ background-color: rgb(104,  
160, 212) }
```

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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