

Converting Colors

XYZ(30.0844, 34.1820, 64.0436)

Have a look what the booklet for
XYZ(30.0844, 34.1820, 64.0436)
contains.

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Color

**XYZ(30.0844, 34.1820,
64.0436)**

Conversions

Conversions Part 1

Format	Color
Hex	65A5CF
RGB	101, 165, 207
RGB Percent	40%, 65%, 81%
CMY	0.6039, 0.3529, 0.1882
CMYK	0.51, 0.20, 0.00, 0.19
HSL	204°, 52%, 60%
HSV	204°, 51%, 81%
XYZ	30.0844, 34.1820, 64.0436
YIQ	150.6520, -51.6260, -0.5060

Conversions

Conversions Part 2

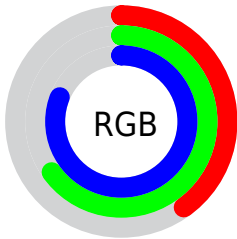
Format	Color
RYB	101, 141, 207
Decimal	6661583
CIELab	65.11, -8.85, -27.73
CIELCh	65, 29.110, 252.307
Yxy	34.1820, 0.2345, 0.2664
Android (android.graphics.Color)	4284851663 (0xFF65A5CF)
YUV	150.6520, 27.7796, -43.5448
Hunter-Lab	58.4654, -10.4640, -24.0211

Details

The XYZ color **30.0844, 34.1820, 64.0436** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **37.9044, 33.8508, 16.8491**, and the grayscale version is **29.1688, 30.6879, 33.4191**.

A 20% lighter version of the original color is **57.7438, 65.6755, 104.2410**, and **12.5693, 14.5816, 32.2890** is the 20% darker color. If you saturate the color by 10%, you get **26.6199, 30.2704, 63.4718**, and if you desaturate by 10%, it is **34.2297, 38.5867, 64.6760**.

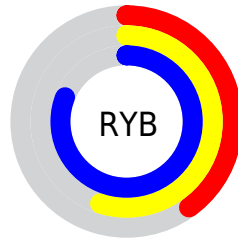
Distribution



Red (40%)

Green (65%)

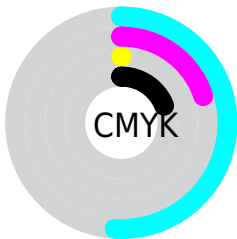
Blue (81%)



Red (40%)

Yellow (55%)

Blue (81%)

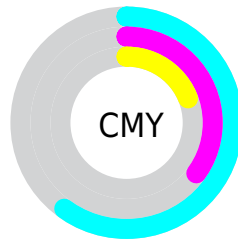


Cyan (51%)

Magenta (20%)

Yellow (0%)

Black (19%)



Cyan (60%)

Magenta (35%)

Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.0844, 34.1820, 64.0436 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 30.0844, 34.1820, 64.0436 by changing the saturation by 10% instead.

■ 30.0844, 34.1820,
64.0436

■ 30.0844, 34.1820,
64.0436

294.2004,
320.9428, 457.5589

■ 20.0510, 23.0335,
46.2396

■ 59.1813, 66.2166,
112.2738

■ 12.5406, 14.6182,
32.0849

■ 78.9756, 87.8714,
143.5371

■ 7.1878, 8.5519,
21.1610

■ 102.7543,
113.7971, 180.1238

■ 3.6272, 4.4501,
13.0493

■ 130.8827,
144.3781, 222.4526

■ 1.4935, 1.9284,
7.3314

163.7261,
179.9988, 270.9419

■ 0.3214, 0.5654,
3.5886

201.6500,

■ 0.0000, 0.0000,

221.0436, 326.0104

1.4025

245.0196,
267.8968, 388.0765

■ 0.0000, 0.0000,
0.1437

■ 0.0000, 0.0000,
0.0000

■ 30.0844, 34.1820,
64.0436

■ 30.0844, 34.1820,
64.0436

■ 26.6199, 30.2704,
63.4718

■ 34.2297, 38.5867,
64.6760

■ 23.7864, 26.8217,
62.9555


■ 39.0941, 43.5049,
65.3689


■ 21.5319, 23.8070,
62.4924


■ 44.7170, 48.9600,
66.1255


■ 19.7937, 21.1912,
62.0791


■ 51.1337, 54.9727,
66.9478


 18.5940, 19.1679,
61.7518

 58.3772, 61.5622,
67.8379

 66.4785, 68.7469,
68.7978

 75.4670, 76.5442,
69.8290

 80.9715, 82.7029,
70.7277

 83.3162, 87.3922,
71.5092

Harmonies

Analogous

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



26.8490, 34.1820, 55.1578



30.0844, 34.1820, 64.0436



34.2498, 34.1820, 64.8587

Triad

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



30.0844, 34.1820, 64.0436



41.0807, 34.1820, 32.4806



27.3267, 34.1820, 22.5397

Complementary

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



30.0844, 34.1820, 64.0436



37.9044, 33.8508, 16.8491

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.



30.7896, 34.1820, 18.8152



30.0844, 34.1820, 64.0436



38.8681, 34.1820, 23.6632

Square

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



30.0844, 34.1820, 64.0436



40.8504, 34.1820, 44.7384



35.0184, 34.1820, 19.1761



25.3543, 34.1820, 30.5921

Rectangle

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



30.0844, 34.1820, 64.0436



37.0224, 34.1820, 60.5220



35.0184, 34.1820, 19.1761



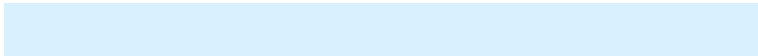
28.3416, 34.1820, 20.8273

Sweetspot

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



30.0855, 34.1833, 64.0444



77.7054, 84.1621, 106.7571



32.5356, 49.3351, 33.2561



16.1629, 17.5743, 22.7903



0.0000, 0.0000, 0.0000



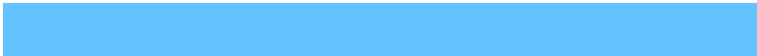
20.3446, 21.4041, 23.3091

Same Dimension

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



30.0855, 34.1833, 64.0444



42.3963, 48.2008, 101.6769



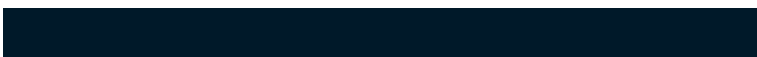
22.5764, 19.1651, 61.5414



11.7489, 12.5881, 15.0542



11.8096, 12.2658, 38.9376



0.7366, 0.8384, 2.2026

Inverse Universe

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



37.1783, 25.2904, 38.5207



55.4113, 34.1359, 54.3359



47.5149, 53.0719, 20.0526



12.1042, 11.9264, 13.8243



18.5917, 9.3095, 13.2878



1.0780, 0.5359, 0.9458

Previews

White Background



This preview shows how the XYZ color 30.0844, 34.1820, 64.0436 looks on a white background.

Color Contrast Check

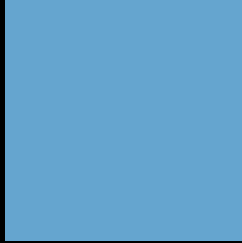
Large Text (above 18pt) WCAG AA × Fail

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 30.0844, 34.1820, 64.0436 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

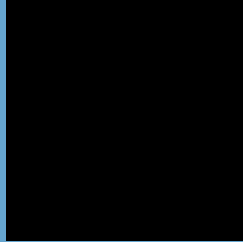
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 30.0844, 34.1820, 64.0436

Background



This preview shows how black text looks on a background with the XYZ color 30.0844, 34.1820, 64.0436.

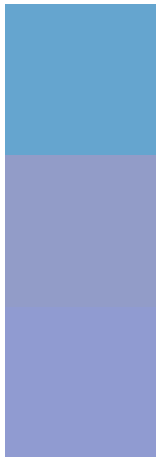


This preview shows how white text looks on a background with the XYZ color 30.0844, 34.1820,

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

30.0844, 34.1820, 64.0436

Protanopia

34.1679, 34.0581, 59.4166

Deuteranopia

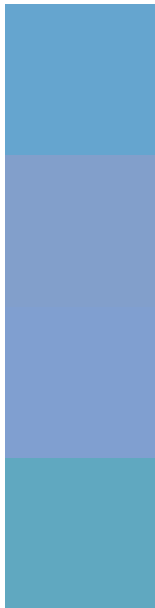
34.7316, 33.9754, 65.0490



Tritanopia

27.2494, 34.1220, 49.9498

Trichromacy



Original Color

30.0844, 34.1820, 64.0436

Protanomaly

32.3836, 33.8539, 61.3276

Deuteranomaly

32.6854, 33.9395, 64.5028

Tritanomaly

28.3409, 34.2978, 54.9956

Monochromacy



Original Color

30.0844, 34.1820, 64.0436

Achromatopsia

29.4150, 30.9469, 33.7012

Achromatomaly

28.9120, 31.7038, 43.1237

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.0844, 34.1820, 64.0436 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, 165, 207)` looks like.

```
.text, #text, p{  
    color:rgb(101, 165, 207)  
}
```

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, 165, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(101, 165, 207) }
```

Border

The CSS property to change the border of an element to XYZ 30.0844, 34.1820, 64.0436 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, 165, 207) }
```


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

```
.border{ border-color:rgb(101, 165, 207) }
```

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

Here you see how a box with a 4 pixel `rgb(101, 165, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(101, 165, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(101, 165, 207);  
box-shadow:4px 4px 4px 4px rgb(101, 165,  
207) }
```

Background

The CSS property to change the background color of an element to XYZ 30.0844, 34.1820, 64.0436 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(101, 165, 207) }
```

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

```
.background{ background-color: rgb(101,  
165, 207) }
```

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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