

Converting Colors

XYZ(33.6165, 34.0931, 68.5642)

Have a look what the booklet for
XYZ(33.6165, 34.0931, 68.5642)
contains.

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Color

**XYZ(33.5704, 34.0546,
68.4222)**

Conversions

Conversions Part 1

Format	Color
Hex	829ED6
RGB	130, 158, 214
RGB Percent	51%, 62%, 84%
CMY	0.4902, 0.3804, 0.1608
CMYK	0.39, 0.26, 0.00, 0.16
HSL	220°, 51%, 67%
HSV	220°, 39%, 84%
XYZ	33.5704, 34.0546, 68.4222
YIQ	156.0120, -34.6640, 11.4800

Conversions

Conversions Part 2

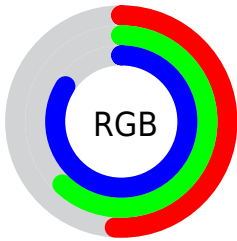
Format	Color
R_{YB}	130, 151, 214
Decimal	8560342
CIE _{Lab}	65.01, 4.27, -31.64
CIE _{LCh}	65, 31.929, 277.688
Yxy	34.0546, 0.2468, 0.2503
Android (android.graphics.Color)	4286750422 (0xFF829ED6)
YUV	156.0120, 28.5881, -22.8125
Hunter-Lab	58.3563, 0.5614, -28.6675

Details

The XYZ color **33.5704, 34.0546, 68.4222** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **49.3207, 51.0267, 28.3701**, and the grayscale version is **31.4939, 33.1340, 36.0829**.

A 20% lighter version of the original color is **61.6011, 64.6213, 103.8342**, and **14.4962, 14.5551, 34.8463** is the 20% darker color. If you saturate the color by 10%, you get **28.3291, 27.9479, 67.5204**, and if you desaturate by 10%, it is **39.7792, 41.0809, 69.4518**.

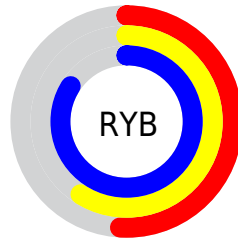
Distribution



Red (51%)

Green (62%)

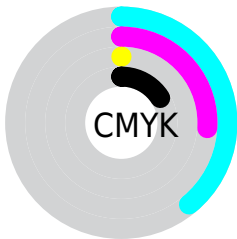
Blue (84%)



Red (51%)

Yellow (59%)

Blue (84%)

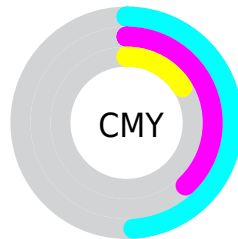


Cyan (39%)

Magenta (26%)

Yellow (0%)

Black (16%)



Cyan (49%)

Magenta (38%)

Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.5704, 34.0546, 68.4222 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 33.5704, 34.0546, 68.4222 by changing the saturation by 10% instead.

■ 33.5704, 34.0546,
68.4222

■ 33.5704, 34.0546,
68.4222

309.8319,
320.3754, 473.6291

■ 22.7251, 22.9355,
49.7725

■ 64.6138, 66.0186,
118.6158

■ 14.5102, 14.5459,
34.8627

■ 85.5426, 87.6323,
150.9968

■ 8.5604, 8.5013,
23.2744

■ 110.5632,
113.5130, 188.7920

■ 4.5104, 4.4174,
14.5891

140.0411,
144.0451, 232.4198

■ 1.9947, 1.9097,
8.3881

174.3415,
179.6130, 282.2989

■ 0.6310, 0.5542,
4.2530

213.8299,

■ 0.0000, 0.0000,

220.6011, 338.8478

1.7651

258.8716,
267.3938, 402.4850

■ 0.0000, 0.0000,
0.4048

■ 0.0000, 0.0000,
0.0000

■ 33.5704, 34.0546,
68.4222

■ 33.5704, 34.0546,
68.4222

■ 28.3291, 27.9479,
67.5204

■ 39.7792, 41.0809,
69.4518

■ 23.9995, 22.7156,
66.7386

■ 47.0001, 49.0612,
70.6116

■ 20.5251, 18.3142,
66.0722

■ 55.2790, 58.0329,
71.9069

■ 17.8413, 14.6944,
65.5149

■ 64.6580, 68.0302,
73.3423

■ 15.8726, 11.8002,
65.0601

■ 75.1767, 79.0854,
74.9217

■ 14.5013, 9.5524,
64.6985

■ 85.6091, 90.5779,
76.5902

■ 14.4122, 9.4041,
64.6745

■ 89.1377, 97.6351,
77.7664

Harmonies

Analogous

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



29.1125, 34.0546, 65.9326



33.5704, 34.0546, 68.4222



38.1057, 34.0546, 61.0642

Triad

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



33.5704, 34.0546, 68.4222



39.9155, 34.0546, 23.6042



24.8285, 34.0546, 28.2388

Complementary

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



33.5704, 34.0546, 68.4222



49.3207, 51.0267, 28.3701

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.



27.2371, 34.0546, 20.3765



33.5704, 34.0546, 68.4222



35.8573, 34.0546, 18.1782

Square

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



33.5704, 34.0546, 68.4222



41.9891, 34.0546, 33.7805



31.1944, 34.0546, 17.1563



24.3415, 34.0546, 40.5869

Rectangle

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



33.5704, 34.0546, 68.4222



40.4674, 34.0546, 52.4016



31.1944, 34.0546, 17.1563



25.4283, 34.0546, 25.0799

Sweetspot

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



33.5716, 34.0559, 68.4230



78.5085, 82.3191, 106.3591



42.1164, 56.3850, 55.1191



16.4498, 17.2367, 22.7100



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.



33.5716, 34.0559, 68.4230



43.4153, 43.0822, 100.6352



31.6230, 26.7509, 67.1157



12.0775, 12.6783, 15.7481



8.7970, 5.8559, 39.1198



0.6057, 0.5033, 2.3845

Inverse Universe

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



41.8868, 32.7313, 36.4591



57.6726, 41.7289, 45.6237



51.8961, 61.9850, 30.3495



12.5923, 12.4884, 13.7933



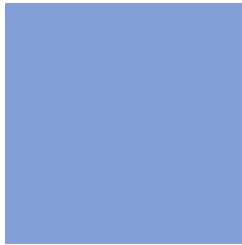
17.4992, 8.9360, 4.6669



1.0934, 0.5541, 0.4810

Previews

White Background



This preview shows how the XYZ color 33.5704, 34.0546, 68.4222 looks on a white background.

Color Contrast Check

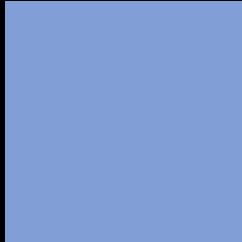
Large Text (above 18pt) WCAG AA × Fail

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 33.5704, 34.0546, 68.4222 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

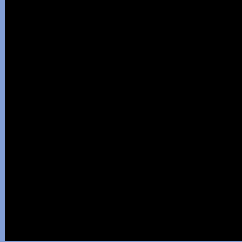
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

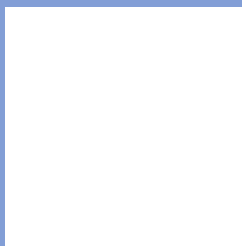
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 33.5704, 34.0546, 68.4222

Background



This preview shows how black text looks on a background with the XYZ color 33.5704, 34.0546, 68.4222.



This preview shows how white text looks on a background with the XYZ color 33.5704, 34.0546,

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

33.5704, 34.0546, 68.4222

Protanopia

34.5895, 33.8589, 66.9997

Deuteranopia

34.8023, 33.9244, 69.0038



Tritanopia

29.3762, 34.1896, 47.1704

Trichromacy



Original Color

33.5704, 34.0546, 68.4222

Protanomaly

34.2152, 33.8994, 67.6907

Deuteranomaly

34.3076, 33.9175, 69.0285

Tritanomaly

30.6365, 33.8873, 54.2164

Monochromacy



Original Color

33.5704, 34.0546, 68.4222

Achromatopsia

31.5995, 33.2452, 36.2040

Achromatomaly

32.0254, 33.4913, 46.3715

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.5704, 34.0546, 68.4222 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(130, 158, 214)` looks like.

```
.text, #text, p{  
    color:rgb(130, 158, 214)  
}
```

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(130, 158, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 158, 214) }
```

Border

The CSS property to change the border of an element to XYZ 33.5704, 34.0546, 68.4222 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(130, 158, 214) }
```


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

```
.border{ border-color:rgb(130, 158, 214) }
```

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

Here you see how a box with a 4 pixel `rgb(130, 158, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 158, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 158, 214);  
box-shadow:4px 4px 4px 4px rgb(130, 158,  
214) }
```

Background

The CSS property to change the background color of an element to XYZ 33.5704, 34.0546, 68.4222 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 158, 214) }
```

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

```
.background{ background-color: rgb(130,  
158, 214) }
```

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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