

Converting Colors

XYZ(30.6778, 33.3960, 84.0915)

Have a look what the booklet for
XYZ(30.6778, 33.3960, 84.0915)
contains.

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Color

**XYZ(30.7633, 33.5526,
84.2118)**

Conversions

Conversions Part 1

Format	Color
Hex	46A3EC
RGB	70, 163, 236
RGB Percent	27%, 64%, 93%
CMY	0.7254, 0.3608, 0.0745
CMYK	0.70, 0.31, 0.00, 0.07
HSL	206°, 81%, 60%
HSV	206°, 70%, 93%
XYZ	30.7633, 33.5526, 84.2118
YIQ	143.5150, -78.8610, 2.9870

Conversions

Conversions Part 2

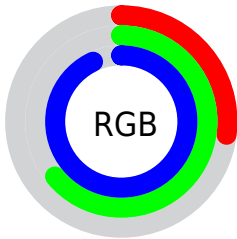
Format	Color
RYB	70, 130, 236
Decimal	4629484
CIELab	64.61, -4.14, -44.61
CIELCh	65, 44.800, 264.693
Yxy	33.5526, 0.2071, 0.2259
Android (android.graphics.Color)	4282819564 (0xFF46A3EC)
YUV	143.5150, 45.5951, -64.4727
Hunter-Lab	57.9246, -6.5681, -45.6496

Details

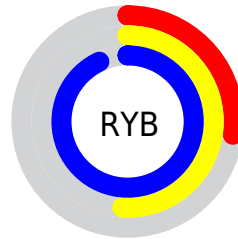
The XYZ color **30.7633, 33.5526, 84.2118** is a light color, and the websafe version is hex **6699CC**. The color can be described as light muted azure. A complement of this color would be **45.5222, 37.9232, 10.7168**, and the grayscale version is **26.1618, 27.5242, 29.9739**.

A 20% lighter version of the original color is **53.2747, 62.5970, 103.8823**, and **14.0324, 14.8836, 45.3133** is the 20% darker color. If you saturate the color by 10%, you get **27.6154, 29.3059, 83.5587**, and if you desaturate by 10%, it is **34.7334, 38.4487, 84.9483**.

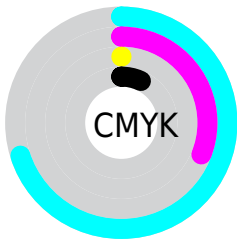
Distribution



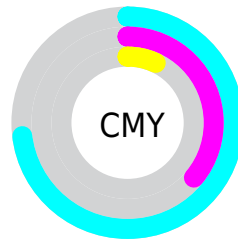
- Red (27%)
- Green (64%)
- Blue (93%)



- Red (27%)
- Yellow (51%)
- Blue (93%)



- Cyan (70%)
- Magenta (31%)
- Yellow (0%)
- Black (7%)



- Cyan (73%)
- Magenta (36%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.7633, 33.5526, 84.2118 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 30.7633, 33.5526, 84.2118 by changing the saturation by 10% instead.

■ 30.7633, 33.5526,
84.2118

■ 30.7633, 33.5526,
84.2118

297.2927,
318.1325, 529.0927

■ 20.5696, 22.5501,
62.6439

■ 60.2456, 65.2373,
141.1358

■ 12.9204, 14.2617,
45.1141

■ 80.2649, 86.6883,
177.3290

■ 7.4504, 8.3029,
31.2037

■ 104.2902,
112.3910, 219.2343

■ 3.7942, 4.2894,
20.4942

■ 132.6867,
142.7297, 267.2704

■ 1.5864, 1.8367,
12.5672

165.8199,
178.0887, 321.8557

■ 0.3835, 0.5099,
7.0040

204.0550,

■ 0.0000, 0.0000,

218.8526, 383.4089

3.3861

247.7575,
265.4058, 452.3484

■ 0.0000, 0.0000,
1.2950

■ 0.0000, 0.0000,
0.0577

■ 30.7633, 33.5526,
84.2118

■ 30.7633, 33.5526,
84.2118

■ 27.6154, 29.3059,
83.5587

■ 34.7334, 38.4487,
84.9483

■ 25.1989, 25.6549,
82.9814

■ 39.5955, 44.0339,
85.7701

■ 23.4206, 22.6164,
82.4886

■ 45.4155, 50.3476,
86.6820

■ 52.2513, 57.4245,
87.6877

■ 60.1562, 65.2969,
88.7906

■ 69.1795, 73.9947,
89.9939

■ 79.3671, 83.5461,
91.3005

■ 89.3461, 93.2475,
92.6471

■ 92.1405, 98.8362,
93.5786

Harmonies

Analogous

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



25.2790, 33.5526, 73.6149



30.7633, 33.5526, 84.2118



37.3269, 33.5526, 78.9521

Triad

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



30.7633, 33.5526, 84.2118



44.4634, 33.5526, 23.6720



22.8456, 33.5526, 19.6818

Complementary

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



30.7633, 33.5526, 84.2118



45.5222, 37.9232, 10.7168

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.



27.0098, 33.5526, 12.9170



30.7633, 33.5526, 84.2118



39.5651, 33.5526, 14.6207

Square

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



30.7633, 33.5526, 84.2118



45.8188, 33.5526, 39.8992



33.0454, 33.5526, 11.4377



21.1169, 33.5526, 33.3618

Rectangle

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



30.7633, 33.5526, 84.2118



41.3776, 33.5526, 67.8441



33.0454, 33.5526, 11.4377



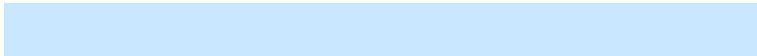
23.9775, 33.5526, 16.7332

Sweetspot

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



30.7646, 33.5537, 84.2126



70.9605, 77.1039, 105.7503



37.4003, 63.2451, 35.8038



14.6070, 15.9300, 22.5549



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.



30.7646, 33.5537, 84.2126



31.6663, 33.1069, 99.3290



20.6152, 13.2550, 80.8295



14.9312, 15.9489, 19.2137



13.0410, 12.7289, 45.5126



1.1196, 1.1907, 3.6057

Inverse Universe

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



43.3942, 24.8591, 37.1624



48.4414, 25.3982, 35.9747



62.6058, 72.0906, 16.4113



15.4188, 15.1954, 17.4909



21.4378, 10.7778, 13.3726



1.7316, 0.8656, 1.3041

Previews

White Background



This preview shows how the XYZ color 30.7633, 33.5526, 84.2118 looks on a white background.

Color Contrast Check

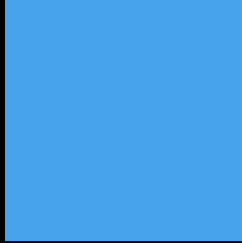
Large Text (above 18pt) WCAG AA × Fail

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 30.7633, 33.5526, 84.2118 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

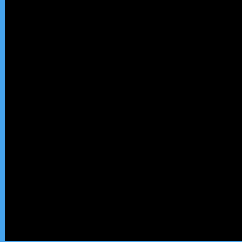
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

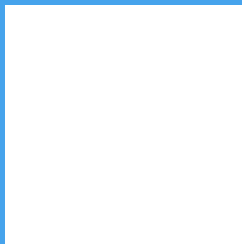
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 30.7633, 33.5526, 84.2118

Background



This preview shows how black text looks on a background with the XYZ color 30.7633, 33.5526, 84.2118.



This preview shows how white text looks on a background with the XYZ color 30.7633, 33.5526,

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

30.7633, 33.5526, 84.2118

Protanopia

34.7549, 33.2092, 77.9770

Deuteranopia

34.2242, 33.2606, 85.5050



Tritanopia

24.4199, 33.7362, 52.2384

Trichromacy



Original Color

30.7633, 33.5526, 84.2118

Protanomaly

32.7874, 33.1347, 80.2689

Deuteranomaly

32.6585, 33.2208, 84.8117

Tritanomaly

26.2461, 33.3192, 62.8055

Monochromacy



Original Color

30.7633, 33.5526, 84.2118

Achromatopsia

26.5089, 27.8894, 30.3716

Achromatomaly

26.3385, 29.0894, 45.8216

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.7633, 33.5526, 84.2118 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(70, 163, 236)` looks like.

```
.text, #text, p{  
    color:rgb(70, 163, 236)  
}
```

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(70, 163, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(70, 163, 236) }
```

Border

The CSS property to change the border of an element to XYZ 30.7633, 33.5526, 84.2118 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(70, 163, 236) }
```


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

```
.border{ border-color:rgb(70, 163, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(70, 163, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(70, 163, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(70, 163, 236);  
box-shadow:4px 4px 4px 4px rgb(70, 163,  
236) }
```

Background

The CSS property to change the background color of an element to XYZ 30.7633, 33.5526, 84.2118 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(70, 163, 236) }
```

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

```
.background{ background-color: rgb(70, 163,  
236) }
```

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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