

Converting Colors

XYZ(30.4344, 33.5896, 79.7573)

Have a look what the booklet for
XYZ(30.4344, 33.5896, 79.7573)
contains.

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Color

**XYZ(30.3606, 33.4441,
79.7181)**

Conversions

Conversions Part 1

| Format | Color |
|---------------|----------------------------|
| Hex | 4CA3E6 |
| RGB | 76, 163, 230 |
| RGB Percent | 30%, 64%, 90% |
| CMY | 0.7019, 0.3608, 0.0980 |
| CMYK | 0.67, 0.29, 0.00, 0.10 |
| HSL | 206°, 75%, 60% |
| HSV | 206°, 67%, 90% |
| XYZ | 30.3606, 33.4441, 79.7181 |
| YIQ | 144.6250, -73.3590, 2.3930 |

Conversions

Conversions Part 2

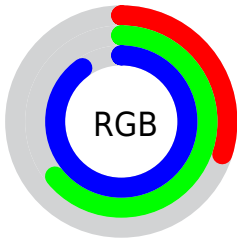
| Format | Color |
|-------------------------------------|---|
| RYB | 76, 132, 230 |
| Decimal | 5022694 |
| CIELab | 64.52, -5.27, -41.43 |
| CIELCh | 65, 41.767, 262.747 |
| Yxy | 33.4441, 0.2115, 0.2330 |
| Android (android.graphics.Color) | 4283212774 (0xFF4CA3E6) |
| YUV | 144.6250, 42.0899, -60.1841 |
| Hunter-Lab | 57.8309, -7.4934, -41.2478 |

Details

The XYZ color **30.3606, 33.4441, 79.7181** 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 **43.7618, 36.9922, 11.6728**, and the grayscale version is **26.6193, 28.0056, 30.4981**.

A 20% lighter version of the original color is **53.7689, 62.8518, 103.9054**, and **13.4342, 14.6443, 42.1630** is the 20% darker color. If you saturate the color by 10%, you get **27.1422, 29.2513, 79.0791**, and if you desaturate by 10%, it is **34.3749, 38.2570, 80.4362**.

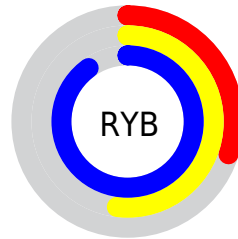
Distribution



Red (30%)

Green (64%)

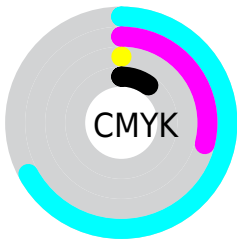
Blue (90%)



Red (30%)

Yellow (52%)

Blue (90%)

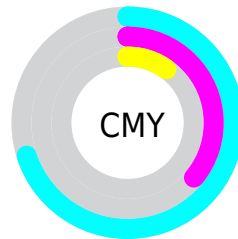


Cyan (67%)

Magenta (29%)

Yellow (0%)

Black (10%)



Cyan (70%)

Magenta (36%)

Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.3606, 33.4441, 79.7181 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 30.3606, 33.4441, 79.7181 by changing the saturation by 10% instead.

■ 30.3606, 33.4441,
79.7181

■ 30.3606, 33.4441,
79.7181

295.4614,
317.6461, 513.6640

■ 20.2619, 22.4669,
58.9616

■ 59.6147, 65.0683,
134.7771

■ 12.6949, 14.2004,
42.1624

■ 79.5008, 86.4840,
169.9168

■ 7.2944, 8.2601,
28.9020

■ 103.3801,
112.1480, 210.6878

■ 3.6948, 4.2619,
18.7617

■ 131.6179,
142.4447, 257.5089

■ 1.5310, 1.8211,
11.3232

164.5795,
177.7584, 310.7985

■ 0.3468, 0.5003,
6.1677

202.6305,

■ 0.0000, 0.0000,

218.4737, 370.9752

2.8769

246.1360,
264.9748, 438.4575

■ 0.0000, 0.0000,
1.0321

■ 0.0000, 0.0000,
0.0000

■ 30.3606, 33.4441,
79.7181

■ 30.3606, 33.4441,
79.7181

■ 27.1422, 29.2513,
79.0791

■ 34.3749, 38.2570,
80.4362

■ 24.6395, 25.6308,
78.5122

■ 39.2471, 43.7250,
81.2348

■ 22.7558, 22.5285,
78.0127

■ 45.0367, 49.8838,
82.1184

■ 22.2567, 21.6605,
77.8714

■ 51.7963, 56.7649,
83.0904

■ 59.5746, 64.3976,
84.1537

■ 68.4165, 72.8092,
85.3112

■ 78.3643, 82.0255,
86.5659

■ 87.5907, 91.1085,
87.8328

■ 90.6685, 97.2641,
88.8587

Harmonies

Analogous

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



25.3344, 33.4441, 69.3414



30.3606, 33.4441, 79.7181



36.4347, 33.4441, 75.9137

Triad

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



30.3606, 33.4441, 79.7181



43.5894, 33.4441, 25.1275



23.4999, 33.4441, 19.9226

Complementary

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



30.3606, 33.4441, 79.7181



43.7618, 36.9922, 11.6728

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.



27.5535, 33.4441, 13.7362



30.3606, 33.4441, 79.7181



39.2530, 33.4441, 16.0185

Square

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



30.3606, 33.4441, 79.7181



44.5853, 33.4441, 40.7241



33.2587, 33.4441, 12.5734



21.7081, 33.4441, 32.4210

Rectangle

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



30.3606, 33.4441, 79.7181



40.2309, 33.4441, 66.2767



33.2587, 33.4441, 12.5734



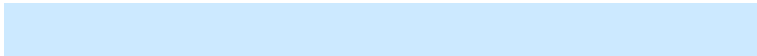
24.6169, 33.4441, 17.2185

Sweetspot

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



30.3618, 33.4452, 79.7189



72.0373, 78.2282, 105.9105



36.2164, 60.1063, 35.5758



14.8209, 16.1580, 22.5876



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.



30.3618, 33.4452, 79.7189



33.0959, 35.2850, 99.6741



20.6140, 13.9496, 76.4697



14.2551, 15.2315, 18.3330



12.7242, 12.5105, 44.1273



1.0323, 1.1085, 3.2915

Inverse Universe

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



41.8295, 24.6376, 37.2023



49.3292, 26.3898, 38.6877



59.4619, 68.3924, 16.9061



14.7163, 14.5037, 16.7066



20.8161, 10.4607, 13.1925



1.5847, 0.7916, 1.2194

Previews

White Background



This preview shows how the XYZ color 30.3606, 33.4441, 79.7181 looks on a white background.

Color Contrast Check

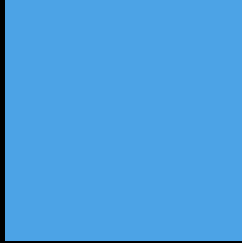
Large Text (above 18pt) WCAG AA × Fail

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 30.3606, 33.4441, 79.7181 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

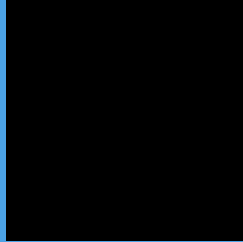
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

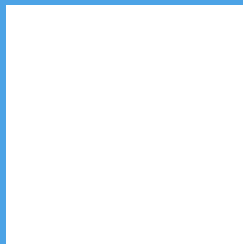
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 30.3606, 33.4441, 79.7181

Background



This preview shows how black text looks on a background with the XYZ color 30.3606, 33.4441, 79.7181.

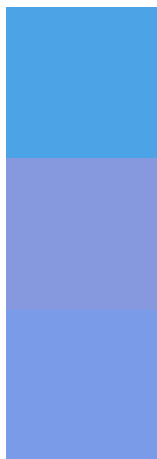


This preview shows how white text looks on a background with the XYZ color 30.3606, 33.4441,

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

30.3606, 33.4441, 79.7181

Protanopia

34.4076, 33.1247, 73.6875

Deuteranopia

34.1720, 33.3338, 80.9769



Tritanopia

24.5388, 33.2570, 51.0248

Trichromacy



Original Color

30.3606, 33.4441, 79.7181

Protanomaly

32.4576, 33.0609, 75.9049

Deuteranomaly

32.4764, 33.2265, 80.3030

Tritanomaly

26.2902, 33.1219, 60.2659

Monochromacy



Original Color

30.3606, 33.4441, 79.7181

Achromatopsia

26.9133, 28.3149, 30.8349

Achromatomaly

26.8104, 29.5841, 45.3715

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.3606, 33.4441, 79.7181 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(76, 163, 230)` looks like.

```
.text, #text, p{  
    color:rgb(76, 163, 230)  
}
```

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(76, 163, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(76, 163, 230) }
```

Border

The CSS property to change the border of an element to XYZ 30.3606, 33.4441, 79.7181 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(76, 163, 230) }
```


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

```
.border{ border-color:rgb(76, 163, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(76, 163, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(76, 163, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(76, 163, 230);  
box-shadow:4px 4px 4px 4px rgb(76, 163,  
230) }
```

Background

The CSS property to change the background color of an element to XYZ 30.3606, 33.4441, 79.7181 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(76, 163, 230) }
```

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

```
.background{ background-color: rgb(76, 163,  
230) }
```

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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