

Converting Colors

XYZ(30.4425, 35.1559, 77.3469)

Have a look what the booklet for
XYZ(30.4425, 35.1559, 77.3469)
contains.

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Color

**XYZ(30.4412, 35.1690,
77.1354)**

Conversions

Conversions Part 1

Format	Color
Hex	46A9E2
RGB	70, 169, 226
RGB Percent	27%, 66%, 89%
CMY	0.7255, 0.3372, 0.1137
CMYK	0.69, 0.25, 0.00, 0.11
HSL	202°, 73%, 58%
HSV	202°, 69%, 89%
XYZ	30.4412, 35.1690, 77.1354
YIQ	145.8970, -77.3010, -3.2610

Conversions

Conversions Part 2

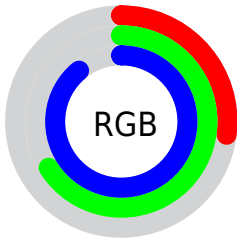
Format	Color
RYB	70, 131, 226
Decimal	4631010
CIELab	65.88, -10.84, -37.12
CIELCh	66, 38.668, 253.723
Yxy	35.1690, 0.2133, 0.2464
Android (android.graphics.Color)	4282821090 (0xFF46A9E2)
YUV	145.8970, 39.4908, -66.5617
Hunter-Lab	59.3035, -12.1548, -35.6055

Details

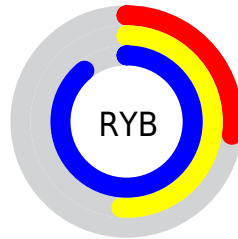
The XYZ color **30.4412, 35.1690, 77.1354** is a light color, and the websafe version is hex **3399CC**. The color can be described as light muted azure. A complement of this color would be **40.0606, 31.7921, 9.8210**, and the grayscale version is **27.1471, 28.5609, 31.1028**.

A 20% lighter version of the original color is **54.6973, 65.6822, 104.4028**, and **13.6170, 15.6249, 40.3284** is the 20% darker color. If you saturate the color by 10%, you get **27.6191, 31.5056, 76.5777**, and if you desaturate by 10%, it is **33.9760, 39.3450, 77.7559**.

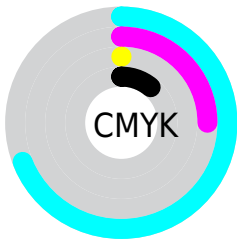
Distribution



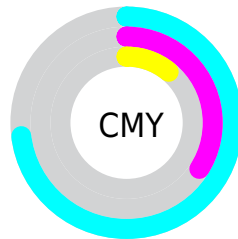
- Red (27%)
- Green (66%)
- Blue (89%)



- Red (27%)
- Yellow (51%)
- Blue (89%)



- Cyan (69%)
- Magenta (25%)
- Yellow (0%)
- Black (11%)



- Cyan (73%)
- Magenta (34%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.4412, 35.1690, 77.1354 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 30.4412, 35.1690, 77.1354 by changing the saturation by 10% instead.

■ 30.4412, 35.1690,
77.1354

■ 30.4412, 35.1690,
77.1354

295.8287,
325.3137, 504.6755

■ 20.3234, 23.7931,
56.8518

■ 59.7411, 67.7475,
131.1054

■ 12.7400, 15.1802,
40.4777

■ 79.6539, 89.7189,
165.6288

■ 7.3255, 8.9460,
27.5946

■ 103.5624,
115.9908, 205.7359

■ 3.7146, 4.7059,
17.7839

■ 131.8321,
146.9478, 251.8452

■ 1.5420, 2.0758,
10.6271

164.8282,
182.9742, 304.3753

■ 0.3541, 0.6510,
5.7057

202.9161,

■ 0.0000, 0.0000,

224.4544, 363.7446

2.6011

246.4611,
271.7727, 430.3719

■ 0.0000, 0.0000,
0.8930

■ 0.0000, 0.0000,
0.0000

■ 30.4412, 35.1690,
77.1354

■ 30.4412, 35.1690,
77.1354

■ 27.6191, 31.5056,
76.5777

■ 33.9760, 39.3450,
77.7559

■ 25.4311, 28.3099,
76.0762

■ 38.2830, 44.0652,
78.4399

■ 23.7631, 25.5210,
75.6258

■ 43.4194, 49.3621,
79.1916

■ 23.6134, 25.2626,
75.5838

■ 49.4354, 55.2640,
80.0137

■ 56.3772, 61.7971,
80.9089

■ 64.2874, 68.9858,
81.8795

■ 73.2059, 76.8527,
82.9279

■ 83.1702, 85.4196,
84.0563

■ 87.1153, 91.0465,
84.9345

Harmonies

Analogous

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



26.0990, 35.1690, 64.4185



30.4412, 35.1690, 77.1354



36.1018, 35.1690, 77.7159

Triad

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



30.4412, 35.1690, 77.1354



45.2768, 35.1690, 31.3030



26.3937, 35.1690, 19.7573

Complementary

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



30.4412, 35.1690, 77.1354



40.0606, 31.7921, 9.8210

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.



30.8878, 35.1690, 15.1375



30.4412, 35.1690, 77.1354



42.0126, 35.1690, 20.4022

Square

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



30.4412, 35.1690, 77.1354



45.1218, 35.1690, 47.8069



36.6021, 35.1690, 15.3339



23.9508, 35.1690, 30.1334

Rectangle

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



30.4412, 35.1690, 77.1354



39.9054, 35.1690, 70.8793



36.6021, 35.1690, 15.3339



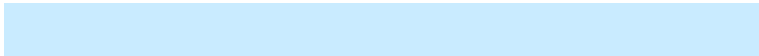
27.6909, 35.1690, 17.6313

Sweetspot

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



30.4424, 35.1702, 77.1363



72.0910, 79.3649, 106.1271



33.3997, 57.1663, 28.5444



14.8764, 16.4688, 22.6447



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.



30.4424, 35.1702, 77.1363



34.9146, 39.4483, 100.3818



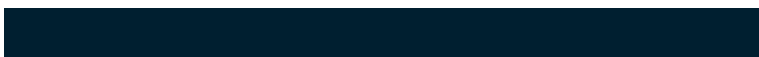
20.2043, 14.6940, 73.7236



13.6735, 14.6861, 17.5017



13.5881, 14.6457, 43.1591



1.0262, 1.1839, 3.0197

Inverse Universe

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



40.7167, 23.4151, 39.9107



50.1188, 26.2142, 44.3610



53.7323, 59.1355, 14.3782



14.0714, 13.8462, 16.1463



20.7988, 10.3865, 16.1383



1.4843, 0.7370, 1.3429

Previews

White Background



This preview shows how the XYZ color 30.4412, 35.1690, 77.1354 looks on a white background.

Color Contrast Check

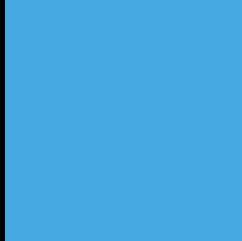
Large Text (above 18pt) WCAG AA × Fail

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 30.4412, 35.1690, 77.1354 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

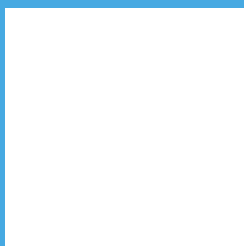
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 30.4412, 35.1690, 77.1354

Background



This preview shows how black text looks on a background with the XYZ color 30.4412, 35.1690, 77.1354.

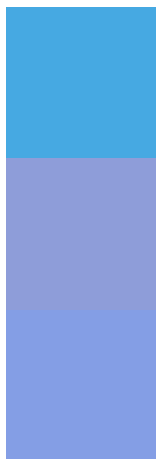


This preview shows how white text looks on a background with the XYZ color 30.4412, 35.1690,

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

30.4412, 35.1690, 77.1354

Protanopia

35.7367, 34.8745, 70.4936

Deuteranopia

35.8854, 35.0164, 78.9962



Tritanopia

25.9463, 35.3492, 54.1708

Trichromacy



Original Color

30.4412, 35.1690, 77.1354

Protanomaly

32.8656, 34.3700, 72.6120

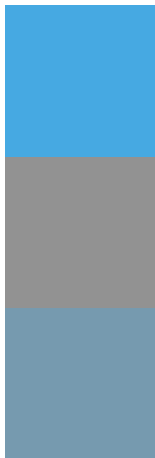
Deuteranomaly

33.2306, 34.6933, 78.3438

Tritanomaly

27.2986, 35.0112, 61.8190

Monochromacy



Original Color

30.4412, 35.1690, 77.1354

Achromatopsia

27.3213, 28.7441, 31.3023

Achromatomaly

26.7647, 30.0579, 44.9485

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.4412, 35.1690, 77.1354 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, 169, 226)` looks like.

```
.text, #text, p{  
    color:rgb(70, 169, 226)  
}
```

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, 169, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(70, 169, 226) }
```

Border

The CSS property to change the border of an element to XYZ 30.4412, 35.1690, 77.1354 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, 169, 226) }
```


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

```
.border{ border-color:rgb(70, 169, 226) }
```

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

Here you see how a box with a 4 pixel rgb(70, 169, 226) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(70, 169, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(70, 169, 226);  
box-shadow:4px 4px 4px 4px rgb(70, 169,  
226) }
```

Background

The CSS property to change the background color of an element to XYZ 30.4412, 35.1690, 77.1354 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(70, 169, 226) }
```

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

```
.background{ background-color: rgb(70, 169,  
226) }
```

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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