

Converting Colors

XYZ(34.8443, 42.3203, 75.2400)

Have a look what the booklet for
XYZ(34.8443, 42.3203, 75.2400)
contains.

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Color

**XYZ(34.8482, 42.1960,
75.4152)**

Conversions

Conversions Part 1

Format	Color
Hex	5BB9DE
RGB	91, 185, 222
RGB Percent	36%, 73%, 87%
CMY	0.6431, 0.2745, 0.1294
CMYK	0.59, 0.17, 0.00, 0.13
HSL	197°, 66%, 61%
HSV	197°, 59%, 87%
XYZ	34.8482, 42.1960, 75.4152
YIQ	161.1120, -67.9010, -8.4210

Conversions

Conversions Part 2

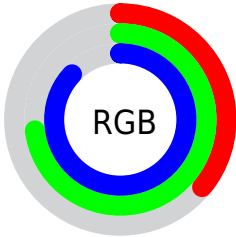
Format	Color
R _Y B	91, 146, 222
Decimal	6011358
CIE Lab	71.01, -17.16, -26.94
CIE LCh	71, 31.946, 237.506
Yxy	42.1960, 0.2286, 0.2768
Android (android.graphics.Color)	4284201438 (0xFF5BB9DE)
YUV	161.1120, 30.0178, -61.4882
Hunter-Lab	64.9584, -17.9176, -23.3634

Details

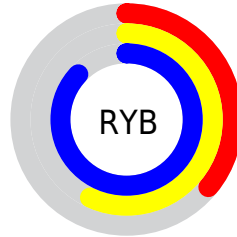
The XYZ color **34.8482, 42.1960, 75.4152** is a light color, and the websafe version is hex **66CCFF**. The color can be described as light muted azure. A complement of this color would be **39.7331, 31.7250, 13.9285**, and the grayscale version is **33.8173, 35.5784, 38.7449**.

A 20% lighter version of the original color is **62.2678, 76.7099, 106.1324**, and **15.2889, 19.3248, 39.4835** is the 20% darker color. If you saturate the color by 10%, you get **31.6921, 38.6652, 74.9008**, and if you desaturate by 10%, it is **38.7121, 46.1792, 75.9812**.

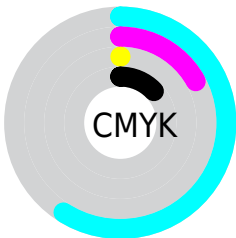
Distribution



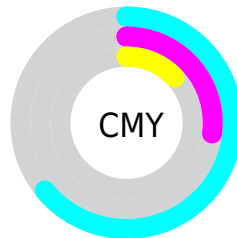
- Red (36%)
- Green (73%)
- Blue (87%)



- Red (36%)
- Yellow (57%)
- Blue (87%)



- Cyan (59%)
- Magenta (17%)
- Yellow (0%)
- Black (13%)



- Cyan (64%)
- Magenta (27%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 34.8482, 42.1960, 75.4152 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 34.8482, 42.1960, 75.4152 by changing the saturation by 10% instead.

■ 34.8482, 42.1960,
75.4152

■ 34.8482, 42.1960,
75.4152

■ 315.4176,
355.2948, 498.6369

■ 23.7119, 29.2548,
55.4493

■ 66.5861, 78.4962,
128.6524

■ 15.2436, 19.2737,
39.3606

■ 87.9185, 102.6239,
162.7608

■ 9.0780, 11.8682,
26.7303

■ 113.3802,
131.2493, 202.4205

■ 4.8496, 6.6540,
17.1402

■ 143.3367,
164.7568, 248.0500

■ 2.1931, 3.2467,
10.1715

■ 178.1534,
203.5306, 300.0679

■ 0.7391, 1.2618,
5.4057

■ 218.1955,

■ 0.0000, 0.1114,

247.9553, 358.8926

2.4243

263.8284,
298.4153, 424.9428

■ 0.0000, 0.0000,
0.7997

■ 0.0000, 0.0000,
0.0000

■ 34.8482, 42.1960,
75.4152

■ 34.8482, 42.1960,
75.4152

■ 31.6921, 38.6652,
74.9008

■ 38.7121, 46.1792,
75.9812

■ 29.1799, 35.5503,
74.4320

■ 43.3322, 50.6384,
76.5984

■ 27.2425, 32.8154,
74.0062

■ 48.7570, 55.6005,
77.2703

■ 25.7698, 30.4026,
73.6181

■ 55.0299, 61.0888,
77.9990

■ 25.6345, 30.1730,
73.5809

■ 62.1909, 67.1250,
78.7867

■ 70.2774, 73.7294,
79.6352

■ 79.3245, 80.9211,
80.5465

■ 84.1806, 86.0452,
81.2796

■ 86.0093, 89.7026,
81.8892

Harmonies

Analogous

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



31.6850, 42.1960, 60.8778



34.8482, 42.1960, 75.4152



39.6617, 42.1960, 81.9510

Triad

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



34.8482, 42.1960, 75.4152



51.2416, 42.1960, 47.2333



35.5563, 42.1960, 24.5174

Complementary

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



34.8482, 42.1960, 75.4152



39.7331, 31.7250, 13.9285

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.



40.5536, 42.1960, 22.4159



34.8482, 42.1960, 75.4152



49.9008, 42.1960, 33.6774

Square

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



34.8482, 42.1960, 75.4152



49.3867, 42.1960, 63.5857



45.8678, 42.1960, 25.3673



32.0676, 42.1960, 31.9108

Rectangle

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



34.8482, 42.1960, 75.4152



43.2687, 42.1960, 80.0079



45.8678, 42.1960, 25.3673



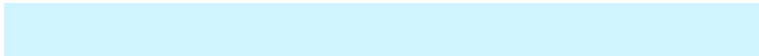
37.1013, 42.1960, 23.2513

Sweetspot

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



34.8496, 42.1975, 75.4162



76.1356, 84.3155, 106.8695



34.1986, 55.9725, 28.7193



15.7241, 17.5550, 22.8096



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.



34.8496, 42.1975, 75.4162



42.4306, 51.7947, 102.3688



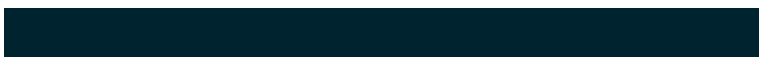
24.4072, 21.3128, 71.9354



13.7723, 14.8837, 17.5347



15.3249, 18.1194, 43.7380



1.1370, 1.4055, 3.0566

Inverse Universe

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



42.6235, 26.5161, 48.7720



54.5682, 30.5040, 60.0527



50.7392, 53.7372, 17.5972



14.1213, 13.8662, 16.4089



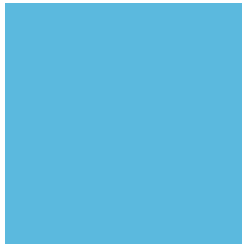
21.6755, 10.7372, 20.7548



1.5402, 0.7593, 1.6373

Previews

White Background



This preview shows how the XYZ color 34.8482, 42.1960, 75.4152 looks on a white background.

Color Contrast Check

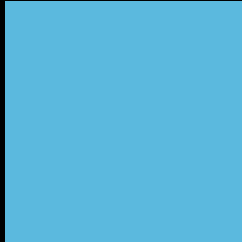
Large Text (above 18pt) WCAG AA × Fail

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 34.8482, 42.1960, 75.4152 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

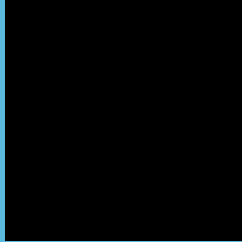
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 34.8482, 42.1960, 75.4152

Background



This preview shows how black text looks on a background with the XYZ color 34.8482, 42.1960, 75.4152.

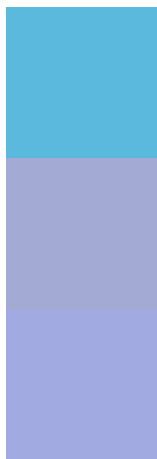


This preview shows how white text looks on a background with the XYZ color 34.8482, 42.1960,

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

34.8482, 42.1960, 75.4152

Protanopia

41.5508, 41.6658, 68.1397

Deuteranopia

42.6633, 41.7628, 77.0466



Tritanopia

32.3300, 42.1172, 62.9254

Trichromacy



Original Color

34.8482, 42.1960, 75.4152

Protanomaly

38.2365, 41.3269, 70.9274

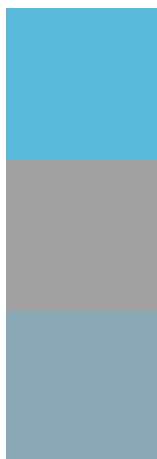
Deuteranomaly

38.9379, 41.2760, 76.4358

Tritanomaly

33.2409, 42.1722, 67.3608

Monochromacy



Original Color

34.8482, 42.1960, 75.4152

Achromatopsia

33.8758, 35.6400, 38.8120

Achromatomaly

33.0753, 37.4026, 50.2759

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.8482, 42.1960, 75.4152 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(91, 185, 222)` looks like.

```
.text, #text, p{  
    color:rgb(91, 185, 222)  
}
```

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(91, 185, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(91, 185, 222) }
```

Border

The CSS property to change the border of an element to XYZ 34.8482, 42.1960, 75.4152 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(91, 185, 222) }
```


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

```
.border{ border-color:rgb(91, 185, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(91, 185, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(91, 185, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(91, 185, 222);  
box-shadow:4px 4px 4px 4px rgb(91, 185,  
222) }
```

Background

The CSS property to change the background color of an element to XYZ 34.8482, 42.1960, 75.4152 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(91, 185, 222) }
```

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

```
.background{ background-color: rgb(91, 185,  
222) }
```

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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