

Converting Colors

XYZ(34.5165, 40.6620, 78.2520)

Have a look what the booklet for
XYZ(34.5165, 40.6620, 78.2520)
contains.

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Color

**XYZ(34.4678, 40.7124,
77.9931)**

Conversions

Conversions Part 1

Format	Color
Hex	5AB5E2
RGB	90, 181, 226
RGB Percent	35%, 71%, 89%
CMY	0.6470, 0.2902, 0.1137
CMYK	0.60, 0.20, 0.00, 0.11
HSL	200°, 70%, 62%
HSV	200°, 60%, 89%
XYZ	34.4678, 40.7124, 77.9931
YIQ	158.9210, -68.6810, -5.2970

Conversions

Conversions Part 2

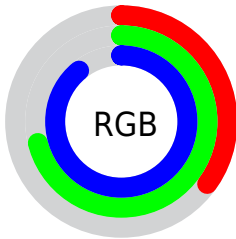
Format	Color
R_{YB}	90, 145, 226
Decimal	5944802
CIE _{Lab}	69.97, -14.02, -30.72
CIE _{LCh}	70, 33.766, 245.466
Yxy	40.7124, 0.2250, 0.2658
Android (android.graphics.Color)	4284134882 (0xFF5AB5E2)
YUV	158.9210, 33.0699, -60.4437
Hunter-Lab	63.8063, -15.2362, -27.8083

Details

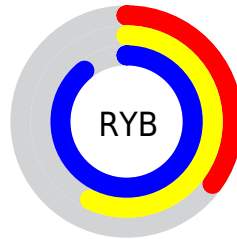
The XYZ color **34.4678, 40.7124, 77.9931** is a light color, and the websafe version is hex **66CCFF**. The color can be described as light muted azure. A complement of this color would be **41.8749, 34.2368, 14.0758**, and the grayscale version is **32.7962, 34.5042, 37.5750**.

A 20% lighter version of the original color is **60.9119, 74.2724, 105.7334**, and **14.9749, 18.3406, 40.7810** is the 20% darker color. If you saturate the color by 10%, you get **31.1147, 36.7875, 77.4130**, and if you desaturate by 10%, it is **38.5733, 45.1479, 78.6336**.

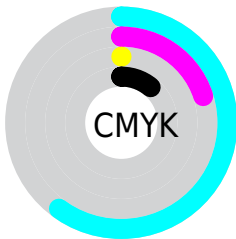
Distribution



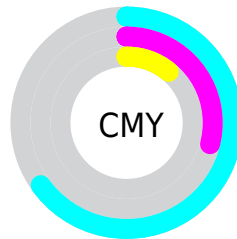
- Red (35%)
- Green (71%)
- Blue (89%)



- Red (35%)
- Yellow (57%)
- Blue (89%)



- Cyan (60%)
- Magenta (20%)
- Yellow (0%)
- Black (11%)



- Cyan (65%)
- Magenta (29%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 34.4678, 40.7124, 77.9931 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 34.4678, 40.7124, 77.9931 by changing the saturation by 10% instead.

■ 34.4678, 40.7124,
77.9931

■ 34.4678, 40.7124,
77.9931

313.7623,
349.1172, 507.6707

■ 23.4178, 28.0944,
57.5519

■ 65.9999, 76.2471,
132.3262

■ 15.0247, 18.3969,
41.0362

■ 87.2128, 99.9326,
167.0551

■ 8.9231, 11.2353,
28.0275

■ 112.5440,
128.0762, 207.3837

■ 4.7478, 6.2253,
18.1071

■ 142.3589,
161.0620, 253.7306

■ 2.1333, 2.9826,
10.8567

177.0228,
199.2747, 306.5141

■ 0.7072, 1.1226,
5.8576

216.9011,

■ 0.0000, 0.0000,

243.0985, 366.1530

2.6913

262.3591,
292.9179, 433.0657

■ 0.0000, 0.0000,
0.9390

■ 0.0000, 0.0000,
0.0000

■ 34.4678, 40.7124,
77.9931

■ 34.4678, 40.7124,
77.9931

■ 31.1147, 36.7875,
77.4130

■ 38.5733, 45.1479,
78.6336

■ 28.4460, 33.3339,
76.8871

■ 43.4833, 50.1204,
79.3346

■ 26.3871, 30.3121,
76.4123

■ 49.2496, 55.6591,
80.0998

■ 24.8297, 27.6953,
75.9893

■ 55.9182, 61.7896,
80.9316

■ 63.5317, 68.5355,
81.8324

■ 72.1301, 75.9190,
82.8044

■ 81.7506, 83.9612,
83.8497

■ 86.3717, 89.5593,
84.6866

■ 88.6289, 94.0736,
85.4390

Harmonies

Analogous

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



30.7043, 40.7124, 64.3315



34.4678, 40.7124, 77.9931



39.7123, 40.7124, 81.8400

Triad

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



34.4678, 40.7124, 77.9931



50.2095, 40.7124, 41.5053



32.8773, 40.7124, 23.9503

Complementary

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



34.4678, 40.7124, 77.9931



41.8749, 34.2368, 14.0758

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.



37.6970, 40.7124, 20.4942



34.4678, 40.7124, 77.9931



47.9662, 40.7124, 28.9726

Square

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



34.4678, 40.7124, 77.9931



49.1383, 40.7124, 58.1351



43.2564, 40.7124, 22.0866



29.8488, 40.7124, 32.9023

Rectangle

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



34.4678, 40.7124, 77.9931



43.4246, 40.7124, 77.6899



43.2564, 40.7124, 22.0866



34.3236, 40.7124, 22.2178

Sweetspot

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



34.4692, 40.7139, 77.9941



75.4777, 82.9996, 106.6502



35.6524, 58.2627, 31.5831



15.5626, 17.2319, 22.7558



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.



34.4692, 40.7139, 77.9941



40.0253, 47.2694, 101.6221



24.0686, 19.9127, 74.5272



13.7145, 14.7681, 17.5154



14.2783, 16.0261, 43.3892



1.0707, 1.2729, 3.0345

Inverse Universe

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



43.3619, 26.8188, 46.6086



53.2844, 29.7238, 54.1147



54.1128, 58.7126, 18.1551



14.0921, 13.8545, 16.2552



21.1472, 10.5259, 17.9728



1.5067, 0.7460, 1.4611

Previews

White Background



This preview shows how the XYZ color 34.4678, 40.7124, 77.9931 looks on a white background.

Color Contrast Check

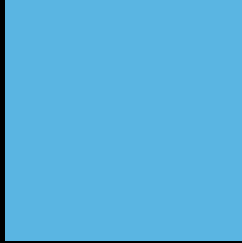
Large Text (above 18pt) WCAG AA × Fail

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 34.4678, 40.7124, 77.9931 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 34.4678, 40.7124, 77.9931

Background



This preview shows how black text looks on a background with the XYZ color 34.4678, 40.7124, 77.9931.



This preview shows how white text looks on a background with the XYZ color 34.4678, 40.7124,

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

34.4678, 40.7124, 77.9931

Protanopia

40.6276, 40.2841, 71.2799

Deuteranopia

41.4719, 40.5324, 79.7665



Tritanopia

31.1160, 40.5772, 61.4505

Trichromacy



Original Color

34.4678, 40.7124, 77.9931

Protanomaly

37.5347, 40.0410, 73.4605

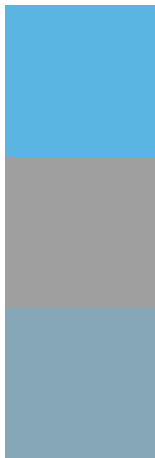
Deuteranomaly

38.3072, 40.3139, 79.1611

Tritanomaly

32.3406, 40.7731, 67.1382

Monochromacy



Original Color

34.4678, 40.7124, 77.9931

Achromatopsia

32.9542, 34.6704, 37.7561

Achromatomaly

32.1975, 36.1247, 50.0755

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.4678, 40.7124, 77.9931 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(90, 181, 226)` looks like.

```
.text, #text, p{  
    color:rgb(90, 181, 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(90, 181, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 181, 226) }
```

Border

The CSS property to change the border of an element to XYZ 34.4678, 40.7124, 77.9931 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(90, 181, 226) }
```


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

```
.border{ border-color:rgb(90, 181, 226) }
```

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

Here you see how a box with a 4 pixel rgb(90, 181, 226) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 181, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 181, 226);  
box-shadow:4px 4px 4px 4px rgb(90, 181,  
226) }
```

Background

The CSS property to change the background color of an element to XYZ 34.4678, 40.7124, 77.9931 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(90, 181, 226) }
```

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

```
.background{ background-color: rgb(90, 181,  
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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