

Converting Colors

XYZ(34.6055, 40.7675, 78.7181)

Have a look what the booklet for
XYZ(34.6055, 40.7675, 78.7181)
contains.

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Color

**XYZ(34.6055, 40.7675,
78.7181)**

Conversions

Conversions Part 1

Format	Color
Hex	5AB5E3
RGB	90, 181, 227
RGB Percent	35%, 71%, 89%
CMY	0.6470, 0.2902, 0.1098
CMYK	0.60, 0.20, 0.00, 0.11
HSL	200°, 71%, 62%
HSV	200°, 60%, 89%
XYZ	34.6055, 40.7675, 78.7181
YIQ	159.0350, -69.0020, -4.9860

Conversions

Conversions Part 2

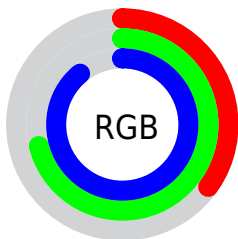
Format	Color
R _Y B	90, 145, 227
Decimal	5944803
CIE Lab	70.01, -13.71, -31.20
CIE LCh	70, 34.084, 246.275
Yxy	40.7675, 0.2246, 0.2646
Android (android.graphics.Color)	4284134883 (0xFF5AB5E3)
YUV	159.0350, 33.5067, -60.5437
Hunter-Lab	63.8494, -14.9920, -28.4023

Details

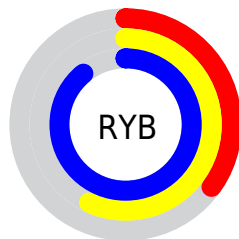
The XYZ color **34.6055, 40.7675, 78.7181** is a light color, and the websafe version is hex **66CCFF**. The color can be described as light muted azure. A complement of this color would be **42.3297, 34.6794, 14.1373**, and the grayscale version is **32.8464, 34.5570, 37.6326**.

A 20% lighter version of the original color is **61.0967, 74.3677, 105.7420**, and **15.0699, 18.3786, 41.2812** is the 20% darker color. If you saturate the color by 10%, you get **31.2178, 36.7836, 78.1285**, and if you desaturate by 10%, it is **38.7547, 45.2714, 79.3695**.

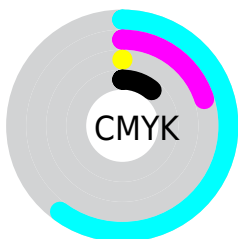
Distribution



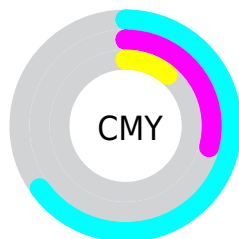
- Red (35%)
- Green (71%)
- Blue (89%)



- 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 34.6055, 40.7675, 78.7181 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 34.6055, 40.7675, 78.7181 by changing the saturation by 10% instead.

■ 34.6055, 40.7675,
78.7181

■ 34.6055, 40.7675,
78.7181

314.3622,
349.3479, 510.1946

■ 23.5242, 28.1375,
58.1441

■ 66.2122, 76.3308,
133.3570

■ 15.1039, 18.4293,
41.5091

■ 87.4684, 100.0329,
168.2590

■ 8.9791, 11.2586,
28.3944

■ 112.8469,
128.1944, 208.7741

■ 4.7846, 6.2411,
18.3815

■ 142.7132,
161.1998, 255.3207

■ 2.1549, 2.9922,
11.0520

177.4324,
199.4335, 308.3176

■ 0.7188, 1.1277,
5.9872

217.3701,

■ 0.0000, 0.0014,

243.2798, 368.1832

2.7686

262.8916,
293.1232, 435.3360

■ 0.0000, 0.0000,
0.9777

■ 0.0000, 0.0000,
0.0000

■ 34.6055, 40.7675,
78.7181

■ 34.6055, 40.7675,
78.7181

■ 31.2178, 36.7836,
78.1285

■ 38.7547, 45.2714,
79.3695

■ 28.5226, 33.2799,
77.5942

■ 43.7183, 50.3222,
80.0828

■ 26.4443, 30.2160,
77.1124

■ 49.5487, 55.9495,
80.8617

■ 24.8966, 27.6088,
76.6907

■ 56.2927, 62.1794,
81.7088

■ 63.9935, 69.0360,
82.6263

■ 72.6913, 76.5418,
83.6167

■ 82.4241, 84.7181,
84.6819

■ 86.8512, 90.2979,
85.5256

■ 89.1670, 94.9296,
86.2975

Harmonies

Analogous

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



30.7554, 40.7675, 65.0718



34.6055, 40.7675, 78.7181



39.9281, 40.7675, 82.2919

Triad

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



34.6055, 40.7675, 78.7181



50.3715, 40.7675, 41.1269



32.7629, 40.7675, 24.0038

Complementary

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



34.6055, 40.7675, 78.7181



42.3297, 34.6794, 14.1373

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.



37.5919, 40.7675, 20.3868



34.6055, 40.7675, 78.7181



48.0183, 40.7675, 28.6310

Square

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



34.6055, 40.7675, 78.7181



49.3786, 40.7675, 57.8773



43.2092, 40.7675, 21.8512



29.7649, 40.7675, 33.1780

Rectangle

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



34.6055, 40.7675, 78.7181



43.6743, 40.7675, 77.8778



43.2092, 40.7675, 21.8512



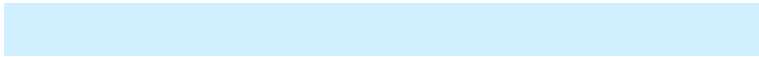
34.2073, 40.7675, 22.2120

Sweetspot

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



34.6069, 40.7690, 78.7191



75.4118, 82.8678, 106.6282



36.1072, 58.8811, 32.6327



15.5464, 17.1995, 22.7504



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.



34.6069, 40.7690, 78.7191



39.8259, 46.8707, 101.5556



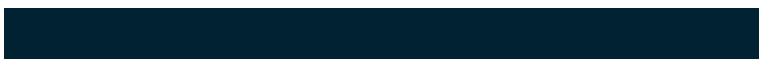
23.9697, 19.4947, 75.1734



14.3785, 15.4783, 18.3741



14.6313, 16.3248, 44.7630



1.1660, 1.3760, 3.3361

Inverse Universe

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



43.6765, 26.9810, 46.6233



53.1838, 29.6835, 53.5849



55.1577, 60.3354, 18.4133



14.7786, 14.5286, 17.0346



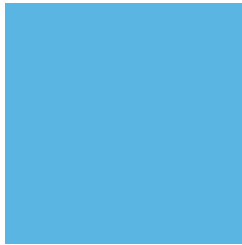
21.7787, 10.8457, 18.2616



1.6522, 0.8186, 1.5749

Previews

White Background



This preview shows how the XYZ color 34.6055, 40.7675, 78.7181 looks on a white background.

Color Contrast Check

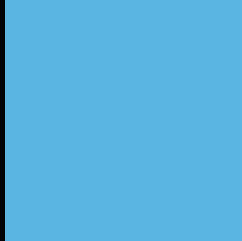
Large Text (above 18pt) WCAG AA × Fail

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 34.6055, 40.7675, 78.7181 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

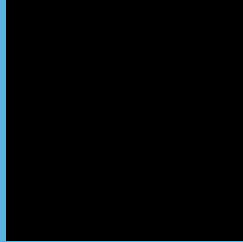
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 34.6055, 40.7675, 78.7181

Background



This preview shows how black text looks on a background with the XYZ color 34.6055, 40.7675, 78.7181.



This preview shows how white text looks on a background with the XYZ color 34.6055, 40.7675,

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

34.6055, 40.7675, 78.7181

Protanopia

40.5621, 40.2353, 71.9580

Deuteranopia

41.4224, 40.4907, 80.4952



Tritanopia

31.2434, 40.9546, 61.5167

Trichromacy



Original Color

34.6055, 40.7675, 78.7181

Protanomaly

37.6676, 40.0941, 74.1603

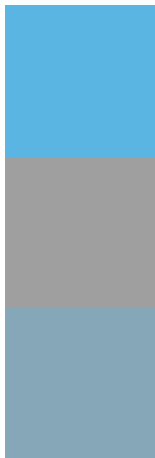
Deuteranomaly

38.2923, 40.2901, 79.8873

Tritanomaly

32.2530, 40.7280, 67.1341

Monochromacy



Original Color

34.6055, 40.7675, 78.7181

Achromatopsia

32.9542, 34.6704, 37.7561

Achromatomaly

32.3020, 36.1665, 50.6257

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.6055, 40.7675, 78.7181 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(90, 181, 227)` looks like.

```
.text, #text, p{  
    color:rgb(90, 181, 227)  
}
```

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, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 181, 227) }
```

Border

The CSS property to change the border of an element to XYZ 34.6055, 40.7675, 78.7181 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(90, 181, 227) }
```


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

```
.border{ border-color:rgb(90, 181, 227) }
```

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, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 181, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 181, 227);  
box-shadow:4px 4px 4px 4px rgb(90, 181,  
227) }
```

Background

The CSS property to change the background color of an element to XYZ 34.6055, 40.7675, 78.7181 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, 227) }
```

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

```
.background{ background-color: rgb(90, 181,  
227) }
```

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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