

# Converting Colors

XYZ(34.7970, 40.4620, 91.8627)

Have a look what the booklet for  
XYZ(34.7970, 40.4620, 91.8627)  
contains.

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# Color

**XYZ(34.8396, 40.6035,  
91.5890)**

# Conversions

## Conversions Part 1

Format	Color
Hex	3EB5F4
RGB	62, 181, 244
RGB Percent	24%, 71%, 96%
CMY	0.7568, 0.2902, 0.0431
CMYK	0.75, 0.26, 0.00, 0.04
HSL	201°, 89%, 60%
HSV	201°, 75%, 96%
XYZ	34.8396, 40.6035, 91.5890
YIQ	152.6010, -91.1470, -5.6350

# Conversions

## Conversions Part 2

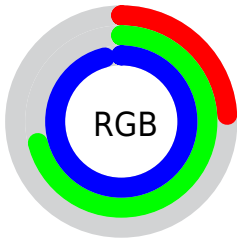
Format	Color
R <sub>Y</sub> B	62, 134, 244
Decimal	4109812
CIE Lab	69.90, -12.41, -40.70
CIE LCh	70, 42.547, 253.038
Yxy	40.6035, 0.2086, 0.2431
Android (android.graphics.Color)	4282299892 (0xFF3EB5F4)
YUV	152.6010, 45.0597, -79.4571
Hunter-Lab	63.7209, -13.9161, -40.6157

# Details

The XYZ color **34.8396, 40.6035, 91.5890** is a light color, and the websafe version is hex **66CCFF**. The color can be described as light washed azure. A complement of this color would be **45.5137, 34.2516, 8.7718**, and the grayscale version is **29.9463, 31.5058, 34.3098**.

A 20% lighter version of the original color is **57.8499, 72.6939, 105.5901**, and **16.6888, 19.0262, 49.8065** is the 20% darker color. If you saturate the color by 10%, you get **31.9729, 36.6534, 90.9785**, and if you desaturate by 10%, it is **38.4995, 45.1184, 92.2684**.

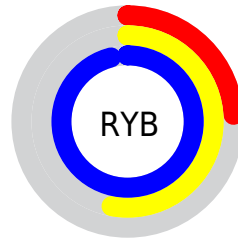
# Distribution



Red (24%)

Green (71%)

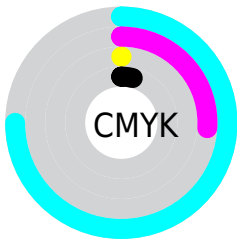
Blue (96%)



Red (24%)

Yellow (53%)

Blue (96%)

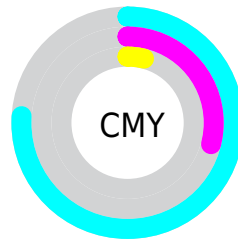


Cyan (75%)

Magenta (26%)

Yellow (0%)

Black (4%)



Cyan (76%)

Magenta (29%)


Yellow (4%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 34.8396, 40.6035, 91.5890 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 34.8396, 40.6035, 91.5890 by changing the saturation by 10% instead.





 34.8396, 40.6035,  
91.5890

 34.8396, 40.6035,  
91.5890


315.3802,  
348.6607, 553.8893


 23.7053, 28.0094,  
68.7182

 66.5729, 76.0816,  
151.4984


 15.2387, 18.3327,  
50.0119


 87.9025, 99.7344,  
189.3740

 9.0745, 11.1891,  
35.0516


 113.3613,  
127.8423, 233.0883

 4.8473, 6.1942,  
23.4188

 143.3147,  
160.7896, 283.0599

 2.1918, 2.9635,  
14.6948

178.1279,  
198.9606, 339.7072

 0.7384, 1.1127,  
8.4613

218.1663,

 0.0000, 0.0000,

242.7399, 403.4489

4.2995

263.7953,  
292.5118, 474.7034

■ 0.0000, 0.0000,  
1.7910

■ 0.0000, 0.0000,  
0.4220

■ 34.8396, 40.6035,  
91.5890

■ 34.8396, 40.6035,  
91.5890

■ 31.9729, 36.6534,  
90.9785

■ 38.4995, 45.1184,  
92.2684

■ 29.7934, 33.2088,  
90.4285

■ 43.0316, 50.2395,  
93.0180

■ 28.8196, 31.5123,  
90.1523

■ 48.5091, 56.0078,  
93.8427

■ 54.9961, 62.4589,  
94.7460

■ 62.5504, 69.6250,  
95.7310

■ 71.2255, 77.5360,  
96.8008

■ 81.0709, 86.2200,  
97.9580

■ 91.3138, 95.2807,  
99.1671

■ 93.3293, 99.3117,  
99.8389

# Harmonies

## Analogous

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



29.6619, 40.6035, 75.6476



34.8396, 40.6035, 91.5890



41.6724, 40.6035, 92.6908

# Triad

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



34.8396, 40.6035, 91.5890



53.0594, 40.6035, 36.1593



30.2057, 40.6035, 21.7989

# Complementary

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



34.8396, 40.6035, 91.5890



45.5137, 34.2516, 8.7718

# 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.



35.6680, 40.6035, 16.5093



34.8396, 40.6035, 91.5890



49.1565, 40.6035, 22.9708

# Square

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



34.8396, 40.6035, 91.5890



52.7684, 40.6035, 56.2843



42.6055, 40.6035, 16.8620



27.2140, 40.6035, 33.9997



# Rectangle

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



34.8396, 40.6035, 91.5890



46.3100, 40.6035, 84.4636



42.6055, 40.6035, 16.8620



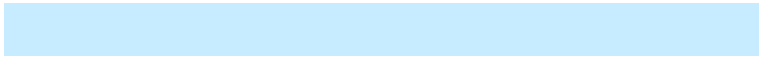
31.7837, 40.6035, 19.3431

# Sweetspot

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



34.8411, 40.6049, 91.5900



71.4513, 79.0976, 106.1092



37.8934, 67.1485, 29.5965



14.7637, 16.4400, 22.6451



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.



34.8411, 40.6049, 91.5900



33.9013, 38.3090, 100.2153



22.1738, 15.2704, 87.3676



16.4857, 17.7356, 21.0970



15.8029, 17.3995, 49.0636



1.4846, 1.7207, 4.3441



# Inverse Universe

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



47.3727, 26.0163, 46.2420



49.3908, 25.0938, 43.0835



62.1416, 67.5074, 14.3144



16.9557, 16.6651, 19.5134



23.7811, 11.8559, 19.3533

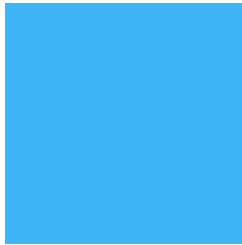


2.1384, 1.0613, 1.9554



# Previews

## White Background



This preview shows how the XYZ color 34.8396, 40.6035, 91.5890 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

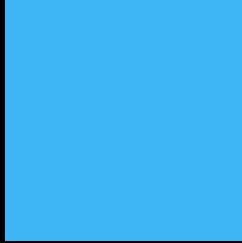
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 34.8396, 40.6035, 91.5890 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

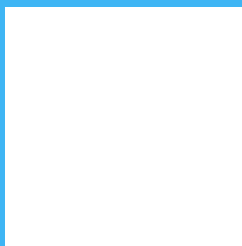
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 34.8396, 40.6035, 91.5890**

## **Background**



This preview shows how black text looks on a background with the XYZ color 34.8396, 40.6035, 91.5890.



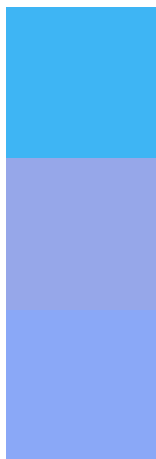
This preview shows how white text looks on a background with the XYZ color 34.8396, 40.6035,



# 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

34.8396, 40.6035, 91.5890

### Protanopia

41.1044, 40.0047, 82.6460

### Deuteranopia

41.2724, 40.1239, 93.5651



## Tritanopia

29.0339, 40.4042, 63.3953

# Trichromacy



**Original Color**

34.8396, 40.6035, 91.5890

**Protanomaly**

37.5098, 39.4710, 85.7625

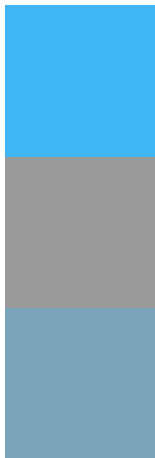
**Deuteranomaly**

38.0085, 39.8560, 92.8785

**Tritanomaly**

30.6706, 40.0884, 73.1392

# Monochromacy



**Original Color**

34.8396, 40.6035, 91.5890

**Achromatopsia**

30.2779, 31.8547, 34.6897

**Achromatomaly**

29.7058, 33.7326, 51.3998

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 34.8396, 40.6035, 91.5890 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(62, 181, 244)` looks like.

```
.text, #text, p{  
    color:rgb(62, 181, 244)  
}
```

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(62, 181, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(62, 181, 244) }
```

## Border

The CSS property to change the border of an element to XYZ 34.8396, 40.6035, 91.5890 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(62, 181, 244) }
```



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

```
.border{ border-color:rgb(62, 181, 244) }
```

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

Here you see how a box with a 4 pixel `rgb(62, 181, 244)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(62, 181, 244); -webkit-box-  
shadow:4px 4px 4px 4px rgb(62, 181, 244);  
box-shadow:4px 4px 4px 4px rgb(62, 181,  
244) }
```

# Background

The CSS property to change the background color of an element to XYZ 34.8396, 40.6035, 91.5890 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(62, 181, 244) }
```

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

```
.background{ background-color: rgb(62, 181,  
244) }
```

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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