

Converting Colors

XYZ(34.8909, 40.1434, 72.9273)

Have a look what the booklet for
XYZ(34.8909, 40.1434, 72.9273)
contains.

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Color

**XYZ(34.8909, 40.1434,
72.9273)**

Conversions

Conversions Part 1

Format	Color
Hex	6CB2DB
RGB	108, 178, 219
RGB Percent	42%, 70%, 86%
CMY	0.5765, 0.3019, 0.1412
CMYK	0.51, 0.19, 0.00, 0.14
HSL	202°, 61%, 64%
HSV	202°, 51%, 86%
XYZ	34.8909, 40.1434, 72.9273
YIQ	161.7440, -54.8810, -2.0890

Conversions

Conversions Part 2

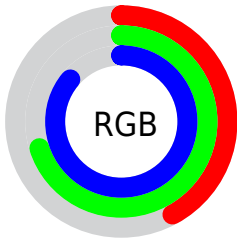
Format	Color
RYB	108, 151, 219
Decimal	7123675
CIELab	69.57, -10.83, -27.45
CIELCh	70, 29.511, 248.463
Yxy	40.1434, 0.2358, 0.2713
Android (android.graphics.Color)	4285313755 (0xFF6CB2DB)
YUV	161.7440, 28.2272, -47.1335
Hunter-Lab	63.3588, -12.5802, -23.8928

Details

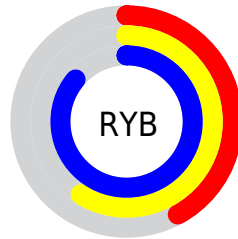
The XYZ color **34.8909, 40.1434, 72.9273** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **42.6687, 37.6390, 19.2049**, and the grayscale version is **34.1147, 35.8914, 39.0857**.

A 20% lighter version of the original color is **62.9899, 74.0650, 105.5838**, and **15.2067, 17.9519, 37.7855** is the 20% darker color. If you saturate the color by 10%, you get **30.9923, 35.8150, 72.2981**, and if you desaturate by 10%, it is **39.5560, 45.0094, 73.6214**.

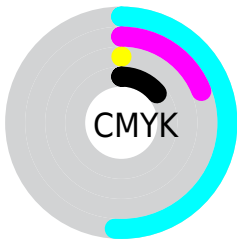
Distribution



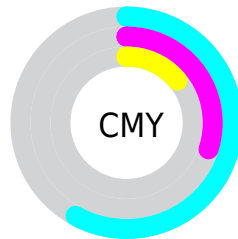
- Red (42%)
- Green (70%)
- Blue (86%)



- Red (42%)
- Yellow (59%)
- Blue (86%)



- Cyan (51%)
- Magenta (19%)
- Yellow (0%)
- Black (14%)



- Cyan (58%)
- Magenta (30%)
- Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 34.8909, 40.1434, 72.9273 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 34.8909, 40.1434, 72.9273 by changing the saturation by 10% instead.

■ 34.8909, 40.1434,
72.9273

■ 34.8909, 40.1434,
72.9273

315.6030,
346.7276, 489.8268

■ 23.7450, 27.6504,
53.4251

■ 66.6519, 75.3818,
125.0940

■ 15.2683, 18.0623,
37.7522

■ 87.9976, 98.8960,
158.5955

■ 9.0954, 10.9947,
25.4900

■ 113.4740,
126.8527, 197.6005

■ 4.8611, 6.0633,
16.2202

143.4463,
159.6363, 242.5275

■ 2.1999, 2.8836,
9.5241

178.2801,
197.6312, 293.7951

■ 0.7427, 1.0713,
4.9831

218.3405,

■ 0.0000, 0.0000,

241.2218, 351.8218

2.1788

263.9930,
290.7925, 417.0262

■ 0.0000, 0.0000,
0.6621

■ 0.0000, 0.0000,
0.0000

■ 34.8909, 40.1434,
72.9273

■ 34.8909, 40.1434,
72.9273

■ 30.9923, 35.8150,
72.2981

■ 39.5560, 45.0094,
73.6214

■ 27.8034, 31.9903,
71.7279

■ 45.0309, 50.4354,
74.3802

■ 25.2656, 28.6371,
71.2144

■ 51.3603, 56.4474,
75.2070

■ 23.3075, 25.7164,
70.7539

■ 58.5842, 63.0683,
76.1042

■ 21.8905, 23.3229,
70.3666

■ 66.7400, 70.3197,
77.0740

■ 75.8629, 78.2216,
78.1184

■ 83.6280, 85.5778,
79.1290

■ 85.9920, 90.3059,
79.9171

■ 88.4627, 95.2473,
80.7406

Harmonies

Analogous

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



31.4240, 40.1434, 62.1376



34.8909, 40.1434, 72.9273



39.5189, 40.1434, 75.1232

Triad

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



34.8909, 40.1434, 72.9273



47.9494, 40.1434, 39.9617



32.7374, 40.1434, 26.2208

Complementary

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



34.8909, 40.1434, 72.9273



42.6687, 37.6390, 19.2049

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.



36.8231, 40.1434, 22.5607



34.8909, 40.1434, 72.9273



45.7847, 40.1434, 29.3406

Square

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



34.8909, 40.1434, 72.9273



47.3236, 40.1434, 54.0621



41.6168, 40.1434, 23.5699



30.2546, 40.1434, 34.7706

Rectangle

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



34.8909, 40.1434, 72.9273



42.6884, 40.1434, 71.0596



41.6168, 40.1434, 23.5699



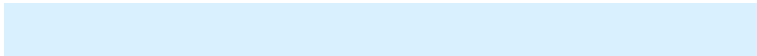
33.9547, 40.1434, 24.4683

Sweetspot

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



34.8922, 40.1449, 72.9283



78.0083, 84.7681, 106.8581



36.9179, 56.0125, 37.1756



16.2360, 17.7206, 22.8146



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.



34.8922, 40.1449, 72.9283



43.3351, 50.0785, 101.9899



26.0300, 22.4204, 69.9742



13.0196, 13.9789, 16.6641



13.0878, 14.0451, 41.7596



0.9292, 1.0726, 2.7325

Inverse Universe

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



42.6130, 29.0009, 45.4727



55.8852, 34.3254, 56.8313



53.5616, 59.4247, 22.8359



13.3997, 13.1890, 15.3663



20.1015, 10.0416, 15.4463



1.3433, 0.6670, 1.2168

Previews

White Background



This preview shows how the XYZ color 34.8909, 40.1434, 72.9273 looks on a white background.

Color Contrast Check

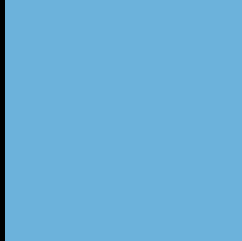
Large Text (above 18pt) WCAG AA × Fail

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 34.8909, 40.1434, 72.9273 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

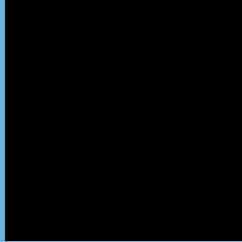
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 34.8909, 40.1434, 72.9273

Background



This preview shows how black text looks on a background with the XYZ color 34.8909, 40.1434, 72.9273.



This preview shows how white text looks on a background with the XYZ color 34.8909, 40.1434,

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

34.8909, 40.1434, 72.9273

Protanopia

39.6771, 39.6097, 67.1822

Deuteranopia

40.7257, 39.7145, 74.6264



Tritanopia

32.0615, 40.1964, 58.8922

Trichromacy



Original Color

34.8909, 40.1434, 72.9273

Protanomaly

37.5157, 39.5563, 69.2762

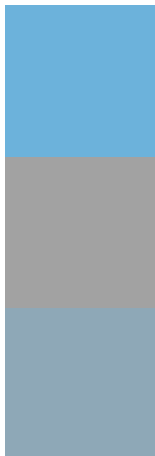
Deuteranomaly

38.0733, 39.4589, 74.0163

Tritanomaly

33.1368, 40.3391, 63.7973

Monochromacy



Original Color

34.8909, 40.1434, 72.9273

Achromatopsia

34.3422, 36.1307, 39.3463

Achromatomaly

33.7052, 37.1749, 50.1988

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.8909, 40.1434, 72.9273 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(108, 178, 219)` looks like.

```
.text, #text, p{  
    color:rgb(108, 178, 219)  
}
```

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(108, 178, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(108, 178, 219) }
```

Border

The CSS property to change the border of an element to XYZ 34.8909, 40.1434, 72.9273 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(108, 178, 219) }
```


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

```
.border{ border-color:rgb(108, 178, 219) }
```

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

Here you see how a box with a 4 pixel `rgb(108, 178, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(108, 178, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(108, 178, 219);  
box-shadow:4px 4px 4px 4px rgb(108, 178,  
219) }
```

Background

The CSS property to change the background color of an element to XYZ 34.8909, 40.1434, 72.9273 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(108, 178, 219) }
```

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

```
.background{ background-color: rgb(108,  
178, 219) }
```

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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