

Converting Colors

XYZ(33.0526, 40.5048, 71.7218)

Have a look what the booklet for
XYZ(33.0526, 40.5048, 71.7218)
contains.

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Color

**XYZ(32.9986, 40.3969,
71.7038)**

Conversions

Conversions Part 1

Format	Color
Hex	55B6D9
RGB	85, 182, 217
RGB Percent	33%, 71%, 85%
CMY	0.6666, 0.2863, 0.1490
CMYK	0.61, 0.16, 0.00, 0.15
HSL	196°, 63%, 59%
HSV	196°, 61%, 85%
XYZ	32.9986, 40.3969, 71.7038
YIQ	156.9870, -69.0470, -9.6790

Conversions

Conversions Part 2

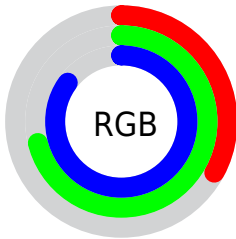
Format	Color
R _Y B	85, 141, 217
Decimal	5617369
CIE Lab	69.75, -18.20, -26.16
CIE LCh	70, 31.866, 235.168
Yxy	40.3969, 0.2274, 0.2784
Android (android.graphics.Color)	4283807449 (0xFF55B6D9)
YUV	156.9870, 29.5864, -63.1326
Hunter-Lab	63.5586, -18.5531, -22.3972

Details

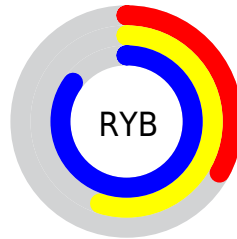
The XYZ color **32.9986, 40.3969, 71.7038** is a light color, and the websafe version is hex **66CCFF**. The color can be described as light muted azure. A complement of this color would be **36.9726, 28.8420, 12.2141**, and the grayscale version is **31.9367, 33.5999, 36.5903**.

A 20% lighter version of the original color is **60.4786, 74.4801, 105.7963**, and **14.3718, 18.3091, 36.9590** is the 20% darker color. If you saturate the color by 10%, you get **30.1682, 37.2250, 71.2415**, and if you desaturate by 10%, it is **36.4840, 43.9799, 72.2125**.

Distribution



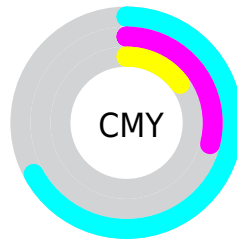
- Red (33%)
- Green (71%)
- Blue (85%)



- Red (33%)
- Yellow (55%)
- Blue (85%)



- Cyan (61%)
- Magenta (16%)
- Yellow (0%)
- Black (15%)



- Cyan (67%)
- Magenta (29%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 32.9986, 40.3969, 71.7038 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 32.9986, 40.3969, 71.7038 by changing the saturation by 10% instead.

■ 32.9986, 40.3969,
71.7038

■ 32.9986, 40.3969,
71.7038

307.3085,
347.7936, 485.4598

■ 22.2846, 27.8481,
52.4314

■ 63.7280, 75.7675,
123.3391

■ 14.1839, 18.2112,
36.9644

■ 84.4742, 99.3582,
156.5391

■ 8.3313, 11.1017,
24.8844

■ 109.2951,
127.3982, 195.2187

■ 4.3612, 6.1353,
15.7727

■ 138.5561,
160.2721, 239.7965

■ 1.9085, 2.9275,
9.2108

172.6226,
198.3642, 290.6909

■ 0.5817, 1.0940,
4.7803

211.8600,

■ 0.0000, 0.0000,

242.0589, 348.3206

2.0625

256.6335,
291.7405, 413.1040

■ 0.0000, 0.0000,
0.5933

■ 0.0000, 0.0000,
0.0000

■ 32.9986, 40.3969,
71.7038

■ 32.9986, 40.3969,
71.7038

■ 30.1682, 37.2250,
71.2415

■ 36.4840, 43.9799,
72.2125

■ 27.9310, 34.4292,
70.8198

■ 40.6709, 47.9965,
72.7671

■ 26.2196, 31.9745,
70.4362

■ 45.6061, 52.4725,
73.3709

■ 25.0024, 29.9656,
70.1126

■ 51.3311, 57.4298,
74.0260

■ 57.8840, 62.8892,
74.7344

■ 65.3005, 68.8697,
75.4979

■ 73.6142, 75.3894,
76.3181

■ 81.5170, 81.7748,
77.1341

■ 83.1267, 84.9942,
77.6707

Harmonies

Analogous

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



30.0912, 40.3969, 57.2227



32.9986, 40.3969, 71.7038



37.5655, 40.3969, 78.8470

Triad

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



32.9986, 40.3969, 71.7038



49.1658, 40.3969, 46.4250



34.3258, 40.3969, 22.9394

Complementary

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



32.9986, 40.3969, 71.7038



36.9726, 28.8420, 12.2141

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.



39.2387, 40.3969, 21.2964



32.9986, 40.3969, 71.7038



48.1035, 40.3969, 32.9652

Square

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



32.9986, 40.3969, 71.7038



47.1378, 40.3969, 62.3119



44.3521, 40.3969, 24.5270



30.8079, 40.3969, 29.6585

Rectangle

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



32.9986, 40.3969, 71.7038



41.0534, 40.3969, 77.5415



44.3521, 40.3969, 24.5270



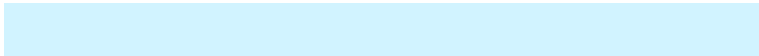
35.8559, 40.3969, 21.8497

Sweetspot

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



32.9999, 40.3984, 71.7048



76.3724, 84.7891, 106.9484



31.8304, 52.8660, 25.6677



15.7823, 17.6714, 22.8291



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.



32.9999, 40.3984, 71.7048



42.4789, 52.4502, 102.4928



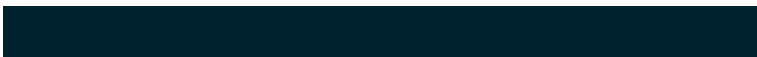
22.7505, 19.8995, 68.2883



13.1376, 14.2149, 16.7035



15.2257, 18.3208, 42.4722



1.0555, 1.3251, 2.7746

Inverse Universe

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



40.3084, 24.6274, 46.8865



54.4560, 29.9367, 61.0730



47.3966, 49.6899, 15.6888



13.4593, 13.2128, 15.6800



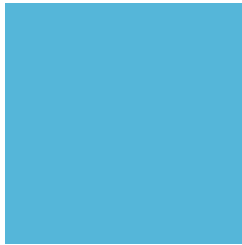
21.1806, 10.4733, 21.1286



1.4071, 0.6925, 1.5525

Previews

White Background



This preview shows how the XYZ color 32.9986, 40.3969, 71.7038 looks on a white background.

Color Contrast Check

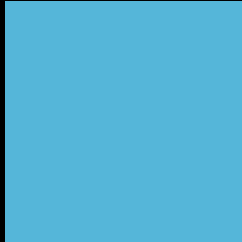
Large Text (above 18pt) WCAG AA × Fail

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 32.9986, 40.3969, 71.7038 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 32.9986, 40.3969, 71.7038

Background



This preview shows how black text looks on a background with the XYZ color 32.9986, 40.3969, 71.7038.



This preview shows how white text looks on a background with the XYZ color 32.9986, 40.3969,

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

32.9986, 40.3969, 71.7038

Protanopia

39.7623, 39.9838, 64.6534

Deuteranopia

40.8375, 40.0738, 73.2928



Tritanopia

30.8349, 40.4458, 60.8252

Trichromacy



Original Color

32.9986, 40.3969, 71.7038

Protanomaly

36.3743, 39.5768, 67.3500

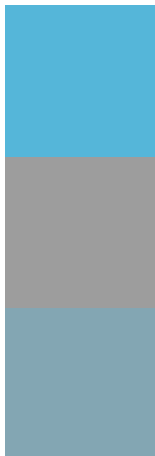
Deuteranomaly

36.8988, 39.4448, 72.6867

Tritanomaly

31.5893, 40.4427, 64.5338

Monochromacy



Original Color

32.9986, 40.3969, 71.7038

Achromatopsia

32.0474, 33.7164, 36.7171

Achromatomaly

31.1330, 35.3524, 47.8306

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.9986, 40.3969, 71.7038 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(85, 182, 217)` looks like.

```
.text, #text, p{  
    color:rgb(85, 182, 217)  
}
```

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(85, 182, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 182, 217) }
```

Border

The CSS property to change the border of an element to XYZ 32.9986, 40.3969, 71.7038 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(85, 182, 217) }
```


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

```
.border{ border-color:rgb(85, 182, 217) }
```

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

Here you see how a box with a 4 pixel `rgb(85, 182, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(85, 182, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(85, 182, 217);  
box-shadow:4px 4px 4px 4px rgb(85, 182,  
217) }
```

Background

The CSS property to change the background color of an element to XYZ 32.9986, 40.3969, 71.7038 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(85, 182, 217) }
```

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

```
.background{ background-color: rgb(85, 182,  
217) }
```

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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