

Converting Colors

XYZ(40.3001, 50.2546, 90.8360)

Have a look what the booklet for
XYZ(40.3001, 50.2546, 90.8360)
contains.

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Color

**XYZ(40.3060, 50.2974,
90.8031)**

Conversions

Conversions Part 1

Format	Color
Hex	50CAF1
RGB	80, 202, 241
RGB Percent	31%, 79%, 95%
CMY	0.6862, 0.2078, 0.0549
CMYK	0.67, 0.16, 0.00, 0.05
HSL	195°, 85%, 63%
HSV	195°, 67%, 95%
XYZ	40.3060, 50.2974, 90.8031
YIQ	169.9680, -85.2310, -13.7350

Conversions

Conversions Part 2

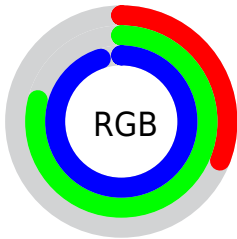
Format	Color
R _Y B	80, 149, 241
Decimal	5294833
CIE Lab	76.25, -21.99, -29.20
CIE LCh	76, 36.553, 233.019
Yxy	50.2974, 0.2222, 0.2773
Android (android.graphics.Color)	4283484913 (0xFF50CAF1)
YUV	169.9680, 35.0188, -78.9019
Hunter-Lab	70.9207, -22.6651, -26.2674

Details

The XYZ color **40.3060, 50.2974, 90.8031** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light muted cyan. A complement of this color would be **44.3222, 32.4760, 11.5238**, and the grayscale version is **38.0561, 40.0380, 43.6013**.

A 20% lighter version of the original color is **65.4871, 84.7597, 107.5165**, and **19.3469, 24.6826, 49.6435** is the 20% darker color. If you saturate the color by 10%, you get **37.2803, 46.7433, 90.2775**, and if you desaturate by 10%, it is **44.1162, 54.3347, 91.3825**.

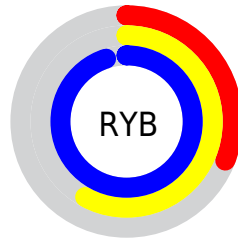
Distribution



Red (31%)

Green (79%)

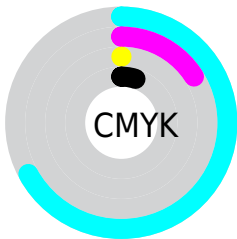
Blue (95%)



Red (31%)

Yellow (58%)

Blue (95%)

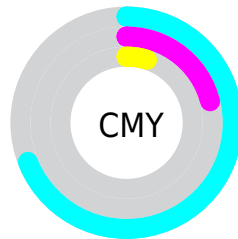


Cyan (67%)

Magenta (16%)

Yellow (0%)

Black (5%)



Cyan (69%)

Magenta (21%)

Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.3060, 50.2974, 90.8031 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 40.3060, 50.2974, 90.8031 by changing the saturation by 10% instead.

40.3060, 50.2974,
90.8031

40.3060, 50.2974,
90.8031

338.5240,
387.8278, 551.2772

27.9625, 35.6498,
68.0695

74.9106, 90.6154,
150.3987

18.4377, 24.1638,
49.4872

97.9025, 117.0545,
188.0977

11.3663, 15.4552,
34.6378

125.1744,
148.1929, 231.6223

6.3829, 9.1395,
23.1027

157.0919,
184.4149, 281.3909

3.1221, 4.8323,
14.4633

194.0203,
226.1051, 337.8222

1.2187, 2.1492,
8.3012

236.3248,

0.1210, 0.6921,

273.6477, 401.3347

4.1978

284.3709,
327.4271, 472.3468

■ 0.0000, 0.0000,
1.7344

■ 0.0000, 0.0000,
0.3842

■ 40.3060, 50.2974,
90.8031

■ 40.3060, 50.2974,
90.8031

■ 37.2803, 46.7433,
90.2775

■ 44.1162, 54.3347,
91.3825

■ 34.9515, 43.6236,
89.7981


■ 48.7765, 58.8872,
92.0156

■ 33.2161, 40.8851,
89.3610


■ 54.3510, 63.9895,
92.7066


■ 32.7328, 40.0619,
89.2276


■ 60.8961, 69.6714,
93.4584

 68.4633, 75.9606,
94.2735

 77.1006, 82.8822,
95.1543

 86.8526, 90.4603,
96.1030

 90.9025, 95.1812,
96.8008

 92.7323, 98.8409,
97.4107

Harmonies

Analogous

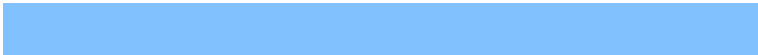
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



36.6699, 50.2974, 70.8964



40.3060, 50.2974, 90.8031



46.2217, 50.2974, 101.4414

Triad

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



40.3060, 50.2974, 90.8031



62.1225, 50.2974, 59.4836



42.8339, 50.2974, 26.8466

Complementary

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



40.3060, 50.2974, 90.8031



44.3222, 32.4760, 11.5238

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.



49.4265, 50.2974, 25.1869



40.3060, 50.2974, 90.8031



60.9957, 50.2974, 41.2879

Square

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



40.3060, 50.2974, 90.8031



59.1301, 50.2974, 80.7626



56.1834, 50.2974, 29.8019



38.0290, 50.2974, 35.0478

Rectangle

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



40.3060, 50.2974, 90.8031



50.8381, 50.2974, 100.4033



56.1834, 50.2974, 29.8019



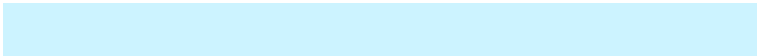
44.8973, 50.2974, 25.6007

Sweetspot

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



40.3077, 50.2992, 90.8043



74.8965, 83.9467, 106.8636



38.0096, 65.9151, 27.7269



15.5096, 17.5353, 22.8172



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.



40.3077, 50.2992, 90.8043



41.3863, 51.8660, 102.4376



26.2621, 22.2081, 86.1225



15.9041, 17.2423, 20.2115



17.8605, 21.9453, 48.4224



1.5624, 1.9789, 4.0538

Inverse Universe

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



49.8064, 28.7042, 58.7942



53.5138, 28.0636, 60.7237



57.9345, 59.7006, 16.0612



16.2810, 15.9621, 19.0361



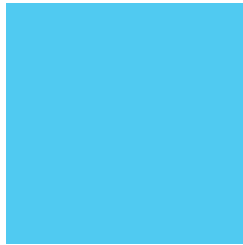
24.3408, 12.0087, 25.5090



2.0636, 1.0145, 2.3257

Previews

White Background



This preview shows how the XYZ color 40.3060, 50.2974, 90.8031 looks on a white background.

Color Contrast Check

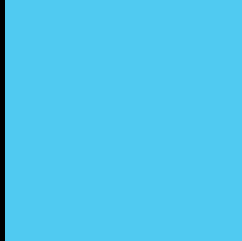
Large Text (above 18pt) WCAG AA × Fail

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 40.3060, 50.2974, 90.8031 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 40.3060, 50.2974, 90.8031

Background



This preview shows how black text looks on a background with the XYZ color 40.3060, 50.2974, 90.8031.



This preview shows how white text looks on a background with the XYZ color 40.3060, 50.2974,

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

40.3060, 50.2974, 90.8031

Protanopia

49.6233, 49.7022, 81.1068

Deuteranopia

50.8555, 49.7578, 93.3100



Tritanopia

37.4704, 50.2018, 76.8223

Trichromacy



Original Color

40.3060, 50.2974, 90.8031



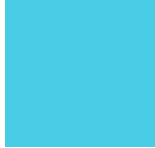
Protanomaly

44.4941, 48.8956, 84.1835



Deuteranomaly

45.6074, 49.2822, 92.6966



Tritanomaly

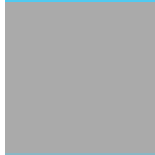
38.4834, 50.2593, 81.8015

Monochromacy



Original Color

40.3060, 50.2974, 90.8031



Achromatopsia

38.2080, 40.1978, 43.7754



Achromatomaly

37.0083, 42.7598, 58.5275

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.3060, 50.2974, 90.8031 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(80, 202, 241)` looks like.

```
.text, #text, p{  
    color:rgb(80, 202, 241)  
}
```

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(80, 202, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 202, 241) }
```

Border

The CSS property to change the border of an element to XYZ 40.3060, 50.2974, 90.8031 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(80, 202, 241) }
```


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

```
.border{ border-color:rgb(80, 202, 241) }
```

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

Here you see how a box with a 4 pixel `rgb(80, 202, 241)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 202, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 202, 241);  
box-shadow:4px 4px 4px 4px rgb(80, 202,  
241) }
```

Background

The CSS property to change the background color of an element to XYZ 40.3060, 50.2974, 90.8031 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 202, 241) }
```

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

```
.background{ background-color: rgb(80, 202,  
241) }
```

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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