

Converting Colors

XYZ(37.9396, 50.7854, 90.0075)

Have a look what the booklet for
XYZ(37.9396, 50.7854, 90.0075)
contains.

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Color

**XYZ(38.0410, 50.9169,
90.2611)**

Conversions

Conversions Part 1

Format	Color
Hex	00CFF0
RGB	0, 207, 240
RGB Percent	0%, 81%, 94%
CMY	0.9997, 0.1882, 0.0588
CMYK	1.00, 0.14, 0.00, 0.06
HSL	188°, 100%, 47%
HSV	188°, 100%, 94%
XYZ	38.0410, 50.9169, 90.2611
YIQ	148.8690, -133.9650, -33.6210

Conversions

Conversions Part 2

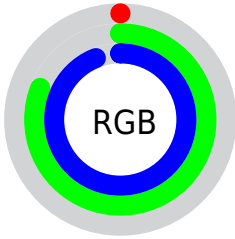
Format	Color
RYB	0, 111, 240
Decimal	53232
CIELab	76.63, -30.79, -28.17
CIELCh	77, 41.732, 222.463
Yxy	50.9169, 0.2123, 0.2841
Android (android.graphics.Color)	4278243312 (0xFF00CFF0)
YUV	148.8690, 44.9276, -130.5581
Hunter-Lab	71.3561, -29.7121, -25.0490

Details

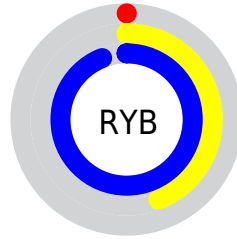
The XYZ color **38.0410, 50.9169, 90.2611** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light saturated cyan. A complement of this color would be **36.4817, 19.6170, 1.8656**, and the grayscale version is **28.3785, 29.8564, 32.5136**.

A 20% lighter version of the original color is **60.4921, 82.1847, 107.2827**, and **19.8800, 25.9172, 49.3021** is the 20% darker color. If you saturate the color by 10%, you get **38.0396, 50.9138, 90.2616**, and if you desaturate by 10%, it is **39.2282, 52.7295, 90.5494**.

Distribution



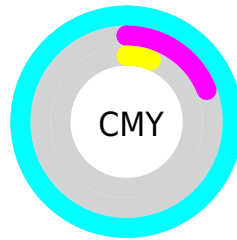
- Red (0%)
- Green (81%)
- Blue (94%)



- Red (0%)
- Yellow (44%)
- Blue (94%)



- Cyan (100%)
- Magenta (14%)
- Yellow (0%)
- Black (6%)





- Cyan (100%)
- Magenta (19%)
- Yellow (6%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.0410, 50.9169, 90.2611 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 38.0410, 50.9169, 90.2611 by changing the saturation by 10% instead.


 38.0410, 50.9169,
90.2611


 38.0410, 50.9169,
90.2611


329.0736,
390.2408, 549.4718


 26.1919, 36.1425,
67.6223


 71.4745, 91.5319,
149.6397


 17.1007, 24.5443,
49.1257


 93.7895, 118.1413,
187.2166


 10.4020, 15.7378,
34.3529

 120.3239,
149.4645, 230.6099

 5.7306, 9.3388,
22.8853

 151.4430,
185.8858, 280.2382

 2.7211, 4.9628,
14.3043

 187.5122,
227.7897, 336.5200

 1.0080, 2.2255,
8.1915

228.8968,

 0.0000, 0.7338,

275.5606, 399.8738

4.1282

275.9621,
329.5829, 470.7183

■ 0.0000, 0.0000,
1.6959

■ 0.0000, 0.0000,
0.3579

■ 38.0410, 50.9169,
90.2611

■ 38.0410, 50.9169,
90.2611

■ 38.0396, 50.9138,
90.2616

■ 39.2282, 52.7295,
90.5494

■ 40.8970, 54.8144,
90.8639

■ 43.1942, 57.2484,
91.2126

■ 46.2066, 60.0763,
91.5997

■ 50.0067, 63.3357,
92.0285

■ 54.6582, 67.0596,
92.5021

■ 60.2181, 71.2774,
93.0232

■ 66.7386, 76.0163,
93.5942

■ 74.2675, 81.3010,
94.2175

Harmonies

Analogous

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



35.0382, 50.9169, 65.3577



38.0410, 50.9169, 90.2611



43.9648, 50.9169, 108.0637

Triad

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



38.0410, 50.9169, 90.2611



64.3550, 50.9169, 69.5940



45.1934, 50.9169, 22.9100

Complementary

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



38.0410, 50.9169, 90.2611



36.4817, 19.6170, 1.8656

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.



53.1132, 50.9169, 23.4670



38.0410, 50.9169, 90.2611



64.7764, 50.9169, 46.5798

Square

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



38.0410, 50.9169, 90.2611



59.3799, 50.9169, 94.0793



60.4754, 50.9169, 30.9707



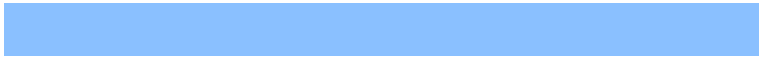
38.8560, 50.9169, 29.1616

Rectangle

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



38.0410, 50.9169, 90.2611



49.0500, 50.9169, 111.1826



60.4754, 50.9169, 30.9707



47.7458, 50.9169, 22.3685

Sweetspot

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



38.0427, 50.9187, 90.2624



69.0200, 81.7341, 106.7463



31.4228, 62.4260, 11.7639



14.1686, 17.0416, 22.7926



0.0000, 0.0000, 0.0000



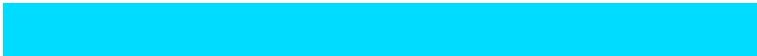
20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



38.0427, 50.9187, 90.2624



43.6247, 58.3693, 103.5749



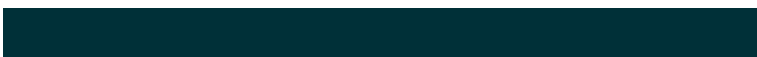
19.2224, 13.2782, 83.9889



16.0512, 17.5365, 20.2605



20.8963, 28.0169, 49.4343



1.7890, 2.4320, 4.1293

Inverse Universe

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



47.1992, 23.0321, 60.9911



54.1489, 26.4236, 69.9074



47.1683, 40.9903, 5.4278



16.3553, 15.9918, 19.4272



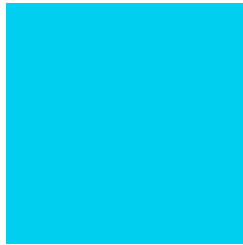
25.8731, 12.6217, 33.5781



2.1780, 1.0602, 2.9279

Previews

White Background



This preview shows how the XYZ color 38.0410, 50.9169, 90.2611 looks on a white background.

Color Contrast Check

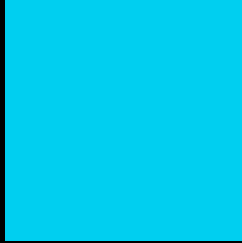
Large Text (above 18pt) WCAG AA × Fail

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 38.0410, 50.9169, 90.2611 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 38.0410, 50.9169, 90.2611

Background



This preview shows how black text looks on a background with the XYZ color 38.0410, 50.9169, 90.2611.

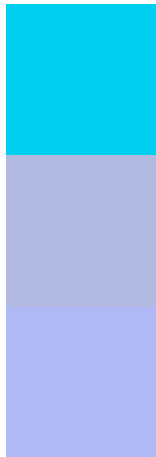


This preview shows how white text looks on a background with the XYZ color 38.0410, 50.9169,

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

38.0410, 50.9169, 90.2611

Protanopia

49.7399, 50.1378, 78.2901

Deuteranopia

51.5096, 50.4045, 93.4004



Tritanopia

36.3911, 51.0372, 79.1673

Trichromacy



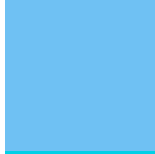
Original Color

38.0410, 50.9169, 90.2611



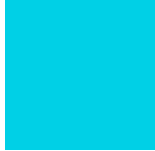
Protanomaly

40.5141, 47.8742, 81.9682



Deuteranomaly

41.8032, 47.9905, 91.8539



Tritanomaly

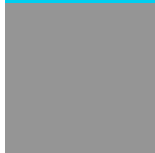
36.8388, 50.8249, 82.7315

Monochromacy



Original Color

38.0410, 50.9169, 90.2611



Achromatopsia

28.5667, 30.0544, 32.7292



Achromatomaly

27.5375, 34.5597, 49.4753

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.0410, 50.9169, 90.2611 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(0, 207, 240)` looks like.

```
.text, #text, p{  
    color:rgb(0, 207, 240)  
}
```

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(0, 207, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 207, 240) }
```

Border

The CSS property to change the border of an element to XYZ 38.0410, 50.9169, 90.2611 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(0, 207, 240) }
```


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

```
.border{ border-color:rgb(0, 207, 240) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 207, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 207, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 207, 240);  
box-shadow:4px 4px 4px 4px rgb(0, 207,  
240) }
```

Background

The CSS property to change the background color of an element to XYZ 38.0410, 50.9169, 90.2611 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 207, 240) }
```

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

```
.background{ background-color: rgb(0, 207,  
240) }
```

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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