

Converting Colors

XYZ(37.9874, 49.4368, 83.5326)

Have a look what the booklet for
XYZ(37.9874, 49.4368, 83.5326)
contains.

XYZ(38.1682, 49.6963, 83.9246)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(38.1682, 49.6963,
83.9246)**

Conversions

Conversions Part 1

Format	Color
Hex	42CBE8
RGB	66, 203, 232
RGB Percent	26%, 80%, 91%
CMY	0.7411, 0.2039, 0.0902
CMYK	0.72, 0.12, 0.00, 0.09
HSL	190°, 78%, 58%
HSV	190°, 72%, 91%
XYZ	38.1682, 49.6963, 83.9246
YIQ	165.3430, -90.9610, -20.0250

Conversions

Conversions Part 2

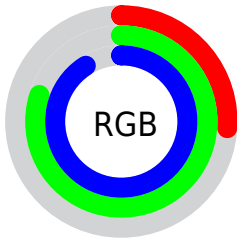
Format	Color
RYB	66, 141, 232
Decimal	4377576
CIELab	75.88, -27.16, -24.96
CIELCh	76, 36.885, 222.579
Yxy	49.6963, 0.2222, 0.2893
Android (android.graphics.Color)	4282567656 (0xFF42CBE8)
YUV	165.3430, 32.8619, -87.1238
Hunter-Lab	70.4956, -26.7226, -21.2375

Details

The XYZ color **38.1682, 49.6963, 83.9246** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light muted cyan. A complement of this color would be **38.3559, 25.7357, 8.1019**, and the grayscale version is **35.8094, 37.6743, 41.0273**.

A 20% lighter version of the original color is **63.8017, 83.8909, 107.4376**, and **18.5839, 24.6295, 44.8488** is the 20% darker color. If you saturate the color by 10%, you get **35.9659, 47.1595, 83.5520**, and if you desaturate by 10%, it is **41.0322, 52.6133, 84.3376**.

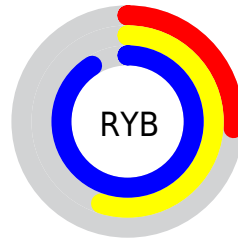
Distribution



Red (26%)

Green (80%)

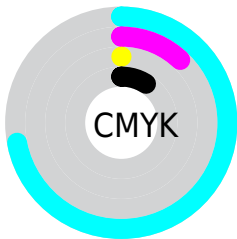
Blue (91%)



Red (26%)

Yellow (55%)

Blue (91%)

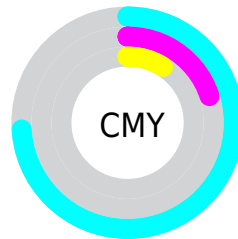


Cyan (72%)

Magenta (12%)

Yellow (0%)

Black (9%)



Cyan (74%)


Magenta (20%)


Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.1682, 49.6963, 83.9246 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 38.1682, 49.6963, 83.9246 by changing the saturation by 10% instead.


 38.1682, 49.6963,
83.9246


 38.1682, 49.6963,
83.9246


329.6093,
385.4771, 528.1143


 26.2911, 35.1721,
62.4082


 71.6681, 89.7247,
140.7305


 17.1753, 23.7955,
44.9247


 94.0216, 115.9978,
176.8570

 10.4557, 15.1820,
31.0556


 120.5979,
146.9560, 218.6906

 5.7667, 8.9472,
20.3823

 151.7624,
182.9836, 266.6499

 2.7430, 4.7068,
12.4865

187.8804,
224.4652, 321.1534

 1.0194, 2.0763,
6.9493

229.3174,

 0.0000, 0.6512,

271.7850, 382.6196

3.3525

276.4386,
325.3275, 451.4670

■ 0.0000, 0.0000,
1.2773

■ 0.0000, 0.0000,
0.0431

■ 38.1682, 49.6963,
83.9246

■ 38.1682, 49.6963,
83.9246

■ 35.9659, 47.1595,
83.5520

■ 41.0322, 52.6133,
84.3376


■ 34.3383, 44.9549,
83.2122


■ 44.6216, 55.9408,
84.7907


■ 33.2993, 43.2934,
82.9463


■ 48.9978, 59.7115,
85.2879


■ 54.2142, 63.9533,
85.8317

 60.3193, 68.6916,
86.4245

 67.3581, 73.9497,
87.0684

 75.3724, 79.7494,
87.7655

 84.4012, 86.1111,
88.5176

 86.8130, 89.1010,
88.9675

Harmonies

Analogous

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



35.4895, 49.6963, 62.7670



38.1682, 49.6963, 83.9246



43.3928, 49.6963, 98.7784

Triad

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



38.1682, 49.6963, 83.9246



60.9790, 49.6963, 66.2337



44.4185, 49.6963, 24.9695

Complementary

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



38.1682, 49.6963, 83.9246



38.3559, 25.7357, 8.1019

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.



51.2972, 49.6963, 25.4662



38.1682, 49.6963, 83.9246



61.3218, 49.6963, 46.2895

Square

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



38.1682, 49.6963, 83.9246



56.7389, 49.6963, 86.9862



57.6343, 49.6963, 32.3546



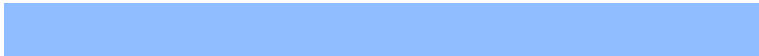
38.8562, 49.6963, 30.7785

Rectangle

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



38.1682, 49.6963, 83.9246



47.8312, 49.6963, 101.3324



57.6343, 49.6963, 32.3546



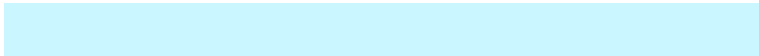
46.6434, 49.6963, 24.4542

Sweetspot

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



38.1698, 49.6981, 83.9258



75.1064, 85.3956, 107.1322



33.1104, 59.6749, 20.2870



15.5991, 17.9141, 22.8856



0.0000, 0.0000, 0.0000



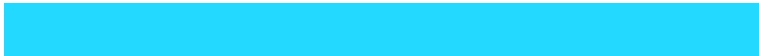
20.3446, 21.4041, 23.3091

Same Dimension

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



38.1698, 49.6981, 83.9258



43.4997, 57.0548, 103.3277



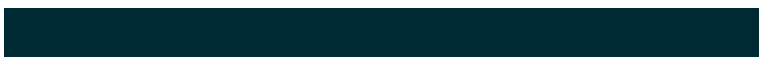
23.6922, 20.7428, 79.0999



14.5820, 15.8854, 18.4420



18.5691, 24.2003, 46.0756



1.4287, 1.9014, 3.4237

Inverse Universe

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



46.0078, 25.3657, 58.9728



54.3457, 27.4972, 67.8764



49.9201, 48.8641, 11.9567



14.8814, 14.5697, 17.5756



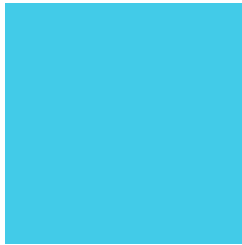
23.7663, 11.6408, 28.7282



1.7848, 0.8716, 2.2731

Previews

White Background



This preview shows how the XYZ color 38.1682, 49.6963, 83.9246 looks on a white background.

Color Contrast Check

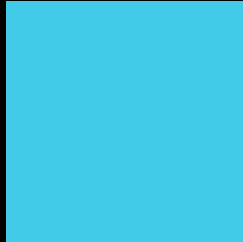
Large Text (above 18pt) WCAG AA × Fail

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 38.1682, 49.6963, 83.9246 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 38.1682, 49.6963, 83.9246

Background



This preview shows how black text looks on a background with the XYZ color 38.1682, 49.6963, 83.9246.



This preview shows how white text looks on a background with the XYZ color 38.1682, 49.6963,

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

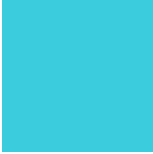
38.1682, 49.6963, 83.9246

Protanopia

48.5171, 48.9792, 73.9146

Deuteranopia

50.1455, 48.9174, 86.9198



Tritanopia

36.6861, 49.8129, 76.0879

Trichromacy



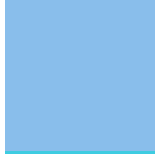
Original Color

38.1682, 49.6963, 83.9246



Protanomaly

42.5666, 48.0467, 77.5515



Deuteranomaly

43.7254, 48.1434, 85.5853



Tritanomaly

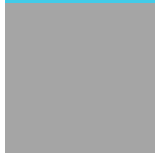
37.1701, 49.6461, 78.8578

Monochromacy



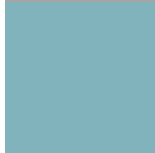
Original Color

38.1682, 49.6963, 83.9246



Achromatopsia

35.7637, 37.6262, 40.9749



Achromatomaly

34.3587, 40.5814, 54.1662

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.1682, 49.6963, 83.9246 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(66, 203, 232)` looks like.

```
.text, #text, p{  
    color:rgb(66, 203, 232)  
}
```

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(66, 203, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(66, 203, 232) }
```

Border

The CSS property to change the border of an element to XYZ 38.1682, 49.6963, 83.9246 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(66, 203, 232) }
```


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

```
.border{ border-color:rgb(66, 203, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(66, 203, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(66, 203, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(66, 203, 232);  
box-shadow:4px 4px 4px 4px rgb(66, 203,  
232) }
```

Background

The CSS property to change the background color of an element to XYZ 38.1682, 49.6963, 83.9246 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(66, 203, 232) }
```

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

```
.background{ background-color: rgb(66, 203,  
232) }
```

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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