

Converting Colors

XYZ(38.6468, 50.5642, 87.0799)

Have a look what the booklet for
XYZ(38.6468, 50.5642, 87.0799)
contains.

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Color

**XYZ(38.6590, 50.5886,
87.0839)**

Conversions

Conversions Part 1

Format	Color
Hex	39CDEC
RGB	57, 205, 236
RGB Percent	22%, 80%, 93%
CMY	0.7764, 0.1961, 0.0745
CMYK	0.76, 0.13, 0.00, 0.07
HSL	190°, 82%, 57%
HSV	190°, 76%, 93%
XYZ	38.6590, 50.5886, 87.0839
YIQ	164.2820, -98.1590, -21.7350

Conversions

Conversions Part 2

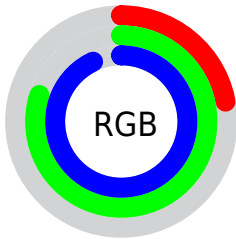
Format	Color
R_{YB}	57, 138, 236
Decimal	3788268
CIE _{Lab}	76.43, -27.94, -26.29
CIE _{LCh}	76, 38.363, 223.252
Yxy	50.5886, 0.2192, 0.2869
Android (android.graphics.Color)	4281978348 (0xFF39CDEC)
YUV	164.2820, 35.3570, -94.0863
Hunter-Lab	71.1257, -27.4496, -22.8047

Details

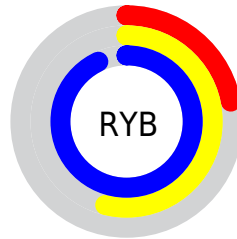
The XYZ color **38.6590, 50.5886, 87.0839** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light washed cyan. A complement of this color would be **38.8222, 25.1102, 6.6734**, and the grayscale version is **35.2938, 37.1318, 40.4366**.

A 20% lighter version of the original color is **63.0159, 83.4858, 107.4008**, and **19.1446, 25.1080, 47.0173** is the 20% darker color. If you saturate the color by 10%, you get **36.6480, 48.1203, 86.7144**, and if you desaturate by 10%, it is **41.3235, 53.4337, 87.4936**.

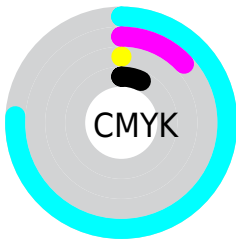
Distribution



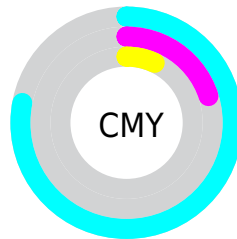
- Red (22%)
- Green (80%)
- Blue (93%)



- Red (22%)
- Yellow (54%)
- Blue (93%)



- Cyan (76%)
- Magenta (13%)
- Yellow (0%)
- Black (7%)



- Cyan (78%)
- Magenta (20%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.6590, 50.5886, 87.0839 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 38.6590, 50.5886, 87.0839 by changing the saturation by 10% instead.

38.6590, 50.5886,
87.0839

38.6590, 50.5886,
87.0839

331.6707,
388.9633, 538.8219

26.6741, 35.8813,
65.0046

72.4145, 91.0464,
145.1810

17.4639, 24.3425,
47.0135

94.9158, 117.5656,
182.0359

10.6632, 15.5879,
32.6919

121.6533,
148.7910, 224.6530

5.9064, 9.2330,
21.6213

152.9923,
185.1069, 273.4510

2.8284, 4.8935,
13.3833

189.2982,
226.8976, 328.8483

1.0637, 2.1849,
7.5592

230.9363,

0.0000, 0.7117,

274.5477, 391.2636

3.7305

278.2720,
328.4415, 461.1152

■ 0.0000, 0.0000,
1.4787

■ 0.0000, 0.0000,
0.2020

■ 38.6590, 50.5886,
87.0839

■ 38.6590, 50.5886,
87.0839

■ 36.6480, 48.1203,
86.7144

■ 41.3235, 53.4337,
87.4936

■ 35.1906, 45.9740,
86.3770

■ 44.7133, 56.6899,
87.9434

■ 34.6844, 45.1440,
86.2434

■ 48.8959, 60.3933,
88.4378

■ 53.9296, 64.5742,
88.9795

■ 59.8672, 69.2601,
89.5710

■ 66.7569, 74.4761,
90.2147

■ 74.6437, 80.2457,
90.9127

■ 83.5694, 86.5908,
91.6670

■ 88.0696, 90.6945,
92.2219

Harmonies

Analogous

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



35.7903, 50.5886, 64.7140



38.6590, 50.5886, 87.0839



44.1903, 50.5886, 102.6316

Triad

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



38.6590, 50.5886, 87.0839



62.6481, 50.5886, 67.3593



44.9686, 50.5886, 24.7257

Complementary

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



38.6590, 50.5886, 87.0839



38.8222, 25.1102, 6.6734

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.



52.1977, 50.5886, 25.0958



38.6590, 50.5886, 87.0839



62.9101, 50.5886, 46.4573

Square

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



38.6590, 50.5886, 87.0839



58.2425, 50.5886, 89.4336



58.9260, 50.5886, 32.0734



39.1794, 50.5886, 30.8916

Rectangle

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



38.6590, 50.5886, 87.0839



48.8752, 50.5886, 105.1094



58.9260, 50.5886, 32.0734



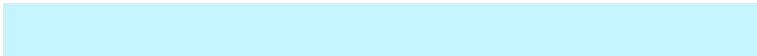
47.2993, 50.5886, 24.1468

Sweetspot

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



38.6606, 50.5904, 87.0851



73.5109, 84.2123, 106.9879



33.3980, 61.5475, 19.1034



15.1331, 17.5624, 22.8422



0.0000, 0.0000, 0.0000



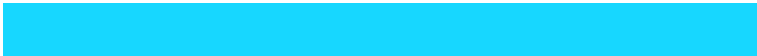
20.3446, 21.4041, 23.3091

Same Dimension

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



38.6606, 50.5904, 87.0851



42.6547, 55.9065, 103.1506



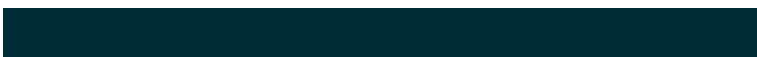
23.1524, 19.5739, 81.9157



15.2828, 16.6521, 19.3309



19.2032, 25.0534, 47.5666



1.5663, 2.0841, 3.7546

Inverse Universe

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



47.0761, 25.1687, 60.1362



53.7869, 26.7674, 66.4948



50.9233, 49.3124, 10.7071



15.5963, 15.2664, 18.4255



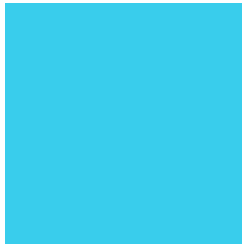
24.5482, 12.0220, 29.7518



1.9571, 0.9558, 2.4915

Previews

White Background



This preview shows how the XYZ color 38.6590, 50.5886, 87.0839 looks on a white background.

Color Contrast Check

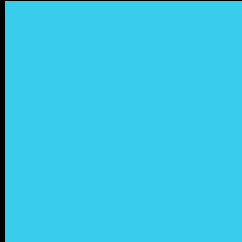
Large Text (above 18pt) WCAG AA × Fail

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 38.6590, 50.5886, 87.0839 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

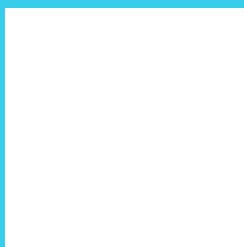
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 38.6590, 50.5886, 87.0839

Background



This preview shows how black text looks on a background with the XYZ color 38.6590, 50.5886, 87.0839.



This preview shows how white text looks on a background with the XYZ color 38.6590, 50.5886,

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

38.6590, 50.5886, 87.0839

Protanopia

49.1242, 49.5556, 76.0833

Deuteranopia

51.1491, 49.9790, 90.1701



Tritanopia

36.8941, 50.5883, 78.3410

Trichromacy



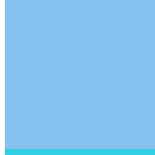
Original Color

38.6590, 50.5886, 87.0839



Protanomaly

42.7064, 48.3962, 79.7636



Deuteranomaly

44.1025, 48.9178, 88.7790



Tritanomaly

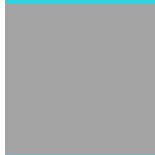
37.3903, 50.4222, 81.1606

Monochromacy



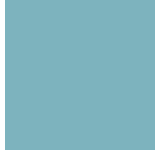
Original Color

38.6590, 50.5886, 87.0839



Achromatopsia

35.2861, 37.1238, 40.4278



Achromatomaly

33.8718, 40.3179, 54.7121

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.6590, 50.5886, 87.0839 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(57, 205, 236)` looks like.

```
.text, #text, p{  
    color:rgb(57, 205, 236)  
}
```

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(57, 205, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(57, 205, 236) }
```

Border

The CSS property to change the border of an element to XYZ 38.6590, 50.5886, 87.0839 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(57, 205, 236) }
```


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

```
.border{ border-color:rgb(57, 205, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(57, 205, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(57, 205, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(57, 205, 236);  
box-shadow:4px 4px 4px 4px rgb(57, 205,  
236) }
```

Background

The CSS property to change the background color of an element to XYZ 38.6590, 50.5886, 87.0839 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(57, 205, 236) }
```

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

```
.background{ background-color: rgb(57, 205,  
236) }
```

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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