

# Converting Colors

XYZ(40.3995, 58.6244, 81.8243)

Have a look what the booklet for  
XYZ(40.3995, 58.6244, 81.8243)  
contains.

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# Color

**XYZ(40.5208, 58.8574,  
81.8980)**

# Conversions

## Conversions Part 1

Format	Color
Hex	00E0E3
RGB	0, 224, 227
RGB Percent	0%, 88%, 89%
CMY	0.9998, 0.1216, 0.1098
CMYK	1.00, 0.01, 0.00, 0.11
HSL	181°, 100%, 45%
HSV	181°, 100%, 89%
XYZ	40.5208, 58.8574, 81.8980
YIQ	157.3660, -134.4670, -46.5550

# Conversions

## Conversions Part 2

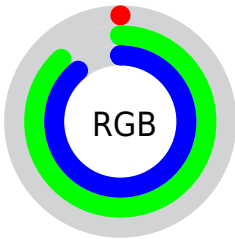
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 113, 227
Decimal	57571
CIELab	81.21, -42.71, -14.28
CIELCh	81, 45.032, 198.485
Yxy	58.8574, 0.2235, 0.3247
Android (android.graphics.Color)	4278247651 (0xFF00E0E3)
YUV	157.3660, 34.3296, -138.0100
Hunter-Lab	76.7186, -39.9784, -9.5898

# Details

The XYZ color **40.5208, 58.8574, 81.8980** is a light color, and the websafe version is hex **00CCCC**. The color can be described as light washed cyan. A complement of this color would be **31.7125, 16.3976, 1.4953**, and the grayscale version is **32.1147, 33.7872, 36.7942**.

A 20% lighter version of the original color is **60.6201, 82.2507, 107.2887**, and **21.4490, 30.9838, 43.8797** is the 20% darker color. If you saturate the color by 10%, you get **40.5217, 58.8588, 81.8993**, and if you desaturate by 10%, it is **40.9504, 59.1999, 81.9426**.

# Distribution



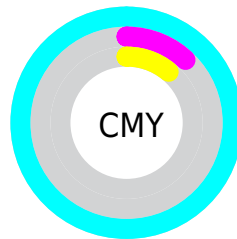
- Red (0%)
- Green (88%)
- Blue (89%)



- Red (0%)
- Yellow (44%)
- Blue (89%)



- Cyan (100%)
- Magenta (1%)
- Yellow (0%)
- Black (11%)



- Cyan (100%)
- Magenta (12%)
- Yellow (11%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 40.5208, 58.8574, 81.8980 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 40.5208, 58.8574, 81.8980 by changing the saturation by 10% instead.



40.5208, 58.8574,  
81.8980

40.5208, 58.8574,  
81.8980

339.4107,  
420.3733, 521.1809

28.1309, 42.4983,  
60.7461

75.2352, 103.1704,  
137.8664

18.5653, 29.4917,  
43.5911

98.2904, 131.8931,  
173.5199

11.4587, 19.4531,  
30.0143

125.6314,  
165.5058, 214.8445

6.4458, 11.9981,  
19.5973

157.6235,  
204.3929, 262.2586

3.1612, 6.7424,  
11.9215

194.6322,  
248.9388, 316.1807

1.2396, 3.3015,  
6.5684

237.0227,

0.1373, 1.2911,

299.5279, 377.0295

3.1193

285.1604,  
356.5446, 445.2233

■ 0.0000, 0.1343,  
1.1559

■ 0.0000, 0.0000,  
0.0000

■ 40.5208, 58.8574,  
81.8980

■ 40.5208, 58.8574,  
81.8980

■ 40.5217, 58.8588,  
81.8993

■ 40.9504, 59.1999,  
81.9426

■ 41.7858, 59.7505,  
82.0048

■ 43.1593, 60.5788,  
82.0923

■ 45.1459, 61.7233,  
82.2085

■ 47.8089, 63.2167,  
82.3564

■ 51.2036, 65.0876,  
82.5386

■ 55.3796, 67.3614,  
82.7574

■ 60.3823, 70.0617,  
83.0149

■ 66.2536, 73.2099,  
83.3131

# Harmonies

## Analogous

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



40.0648, 58.8574, 54.3176



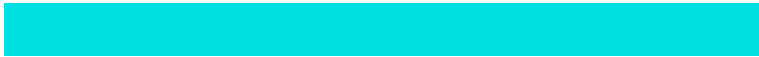
40.5208, 58.8574, 81.8980



44.8189, 58.8574, 111.0667

# Triad

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



40.5208, 58.8574, 81.8980



70.5634, 58.8574, 104.7818



59.6204, 58.8574, 25.6267

# Complementary

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



40.5208, 58.8574, 81.8980



31.7125, 16.3976, 1.4953

# 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.



68.7686, 58.8574, 32.6671



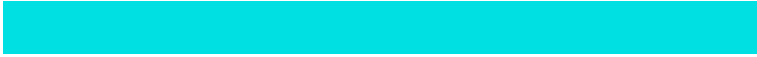
40.5208, 58.8574, 81.8980



75.5418, 58.8574, 74.9599

# Square

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



40.5208, 58.8574, 81.8980



61.8578, 58.8574, 126.6183



74.8506, 58.8574, 49.0637

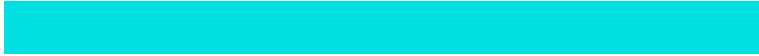


50.4163, 58.8574, 26.5192



# Rectangle

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



40.5208, 58.8574, 81.8980



49.5849, 58.8574, 125.1533



74.8506, 58.8574, 49.0637



62.8209, 58.8574, 27.0412

# Sweetspot

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



40.5226, 58.8596, 81.8994



71.9635, 87.6211, 107.7274



27.4706, 54.9395, 9.1582



14.8841, 18.4726, 23.0310



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.



40.5226, 58.8596, 81.8994



52.7447, 76.6093, 106.6149



19.8305, 17.4753, 75.0021



14.7903, 16.3020, 18.5114



23.6393, 34.3408, 47.7657



1.7521, 2.5482, 3.5315



# Inverse Universe

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



45.1347, 21.7144, 72.3358



58.7523, 28.2649, 94.1483



37.6438, 28.2601, 3.4724



14.9865, 14.6118, 18.1292



26.3256, 12.6644, 42.2048

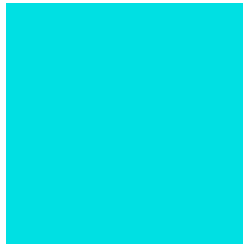


1.9480, 0.9369, 3.1328



# Previews

## White Background



This preview shows how the XYZ color 40.5208, 58.8574, 81.8980 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

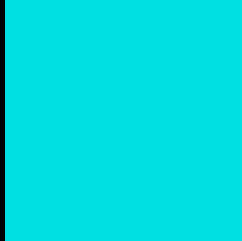
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 40.5208, 58.8574, 81.8980 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

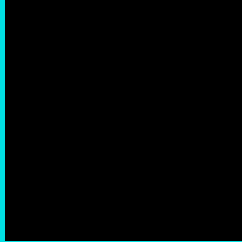
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

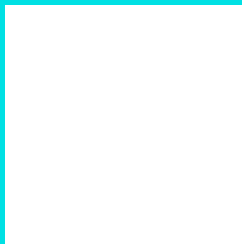
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 40.5208, 58.8574, 81.8980

## Background



This preview shows how black text looks on a background with the XYZ color 40.5208, 58.8574, 81.8980.



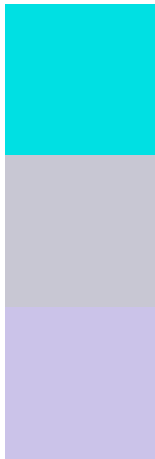
This preview shows how white text looks on a background with the XYZ color 40.5208, 58.8574,



# 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

40.5208, 58.8574, 81.8980

### Protanopia

56.0007, 57.8294, 69.8386

### Deuteranopia

58.8517, 57.6099, 85.1088



## Tritanopia

42.6488, 58.9459, 91.5679

# Trichromacy



## Original Color

40.5208, 58.8574, 81.8980



## Protanomaly

43.8327, 54.6335, 73.8807



## Deuteranomaly

45.5484, 54.5793, 83.7355



## Tritanomaly

41.7598, 58.9677, 87.7782

# Monochromacy



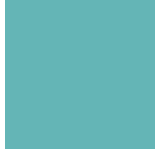
## Original Color

40.5208, 58.8574, 81.8980



## Achromatopsia

32.0474, 33.7164, 36.7171



## Achromatomaly

30.2229, 39.1345, 50.2168

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 40.5208, 58.8574, 81.8980 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, 224, 227)` looks like.

```
.text, #text, p{  
    color:rgb(0, 224, 227)  
}
```

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, 224, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 224, 227) }
```

## Border

The CSS property to change the border of an element to XYZ 40.5208, 58.8574, 81.8980 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, 224, 227) }
```



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

```
.border{ border-color:rgb(0, 224, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 224, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 224, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 224, 227);  
box-shadow:4px 4px 4px 4px rgb(0, 224,  
227) }
```

# Background

The CSS property to change the background color of an element to XYZ 40.5208, 58.8574, 81.8980 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 224, 227) }
```

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

```
.background{ background-color: rgb(0, 224,  
227) }
```

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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