

Converting Colors

XYZ(41.2823, 59.2485, 85.6415)

Have a look what the booklet for
XYZ(41.2823, 59.2485, 85.6415)
contains.

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Color

**XYZ(41.2211, 59.1375,
85.5860)**

Conversions

Conversions Part 1

Format	Color
Hex	00E0E8
RGB	0, 224, 232
RGB Percent	0%, 88%, 91%
CMY	0.9998, 0.1216, 0.0902
CMYK	1.00, 0.03, 0.00, 0.09
HSL	182°, 100%, 46%
HSV	182°, 100%, 91%
XYZ	41.2211, 59.1375, 85.5860
YIQ	157.9360, -136.0720, -45.0000

Conversions

Conversions Part 2

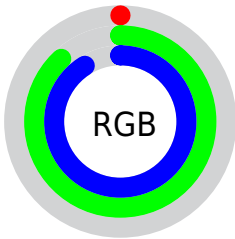
Format	Color
RYB	0, 114, 232
Decimal	57576
CIELab	81.37, -41.22, -16.70
CIELCh	81, 44.472, 202.060
Yxy	59.1375, 0.2217, 0.3180
Android (android.graphics.Color)	4278247656 (0xFF00E0E8)
YUV	157.9360, 36.5136, -138.5099
Hunter-Lab	76.9009, -38.8955, -12.1555

Details

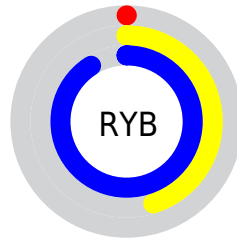
The XYZ color **41.2211, 59.1375, 85.5860** is a light color, and the websafe version is hex **00CCCC**. The color can be described as light washed cyan. A complement of this color would be **33.3669, 17.3311, 1.5883**, and the grayscale version is **32.3628, 34.0482, 37.0785**.

A 20% lighter version of the original color is **60.7494, 82.3174, 107.2948**, and **21.8391, 31.1399, 45.9338** is the 20% darker color. If you saturate the color by 10%, you get **41.2217, 59.1382, 85.5872**, and if you desaturate by 10%, it is **41.7970, 59.7556, 85.6761**.

Distribution



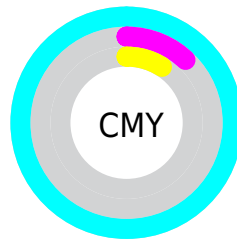
- Red (0%)
- Green (88%)
- Blue (91%)



- Red (0%)
- Yellow (45%)
- Blue (91%)



- Cyan (100%)
- Magenta (3%)
- Yellow (0%)
- Black (9%)



- Cyan (100%)
- Magenta (12%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 41.2211, 59.1375, 85.5860 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 41.2211, 59.1375, 85.5860 by changing the saturation by 10% instead.

41.2211, 59.1375,
85.5860

41.2211, 59.1375,
85.5860

342.2907,
421.4113, 533.7602

28.6803, 42.7238,
63.7728

76.2920, 103.5775,
143.0730

18.9822, 29.6685,
46.0216

99.5528, 132.3726,
179.5839

11.7613, 19.5871,
31.9141

127.1177,
166.0636, 221.8311

6.6524, 12.0953,
21.0316

159.3521,
205.0349, 270.2331

3.2901, 6.8086,
12.9557

196.6212,
249.6709, 325.2085

1.3090, 3.3427,
7.2676

239.2904,

0.1899, 1.3131,

300.3561, 387.1757

3.5491

287.7251,
357.4747, 456.5535

■ 0.0000, 0.1513,
1.3814

■ 0.0000, 0.0000,
0.1271

■ 41.2211, 59.1375,
85.5860

■ 41.2211, 59.1375,
85.5860

■ 41.2217, 59.1382,
85.5872

■ 41.7970, 59.7556,
85.6761

■ 42.8017, 60.5950,
85.7851

■ 44.3730, 61.7280,
85.9210

■ 46.5903, 63.1955,
86.0874

■ 49.5202, 65.0319,
86.2874

■ 53.2213, 67.2674,
86.5239

■ 57.7459, 69.9289,
86.7991

■ 63.1418, 73.0411,
87.1154

■ 69.4532, 76.6268,
87.4749

Harmonies

Analogous

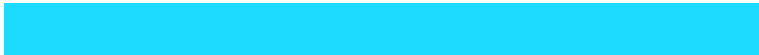
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



40.3035, 59.1375, 57.5770



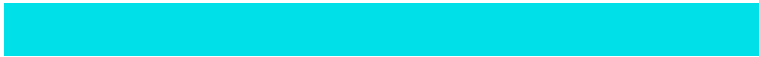
41.2211, 59.1375, 85.5860



45.9224, 59.1375, 113.7685

Triad

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



41.2211, 59.1375, 85.5860



71.5110, 59.1375, 101.2578



58.7131, 59.1375, 25.8422

Complementary

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



41.2211, 59.1375, 85.5860



33.3669, 17.3311, 1.5883

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.



67.9261, 59.1375, 31.8768



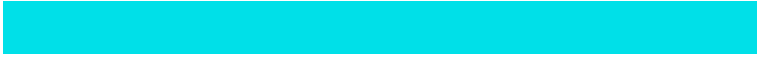
41.2211, 59.1375, 85.5860



75.8280, 59.1375, 71.7218

Square

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



41.2211, 59.1375, 85.5860



63.1900, 59.1375, 124.4162



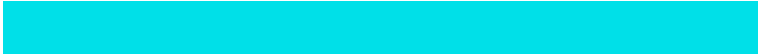
74.4485, 59.1375, 47.0199



49.7610, 59.1375, 27.6543

Rectangle

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



41.2211, 59.1375, 85.5860



50.8821, 59.1375, 126.3782



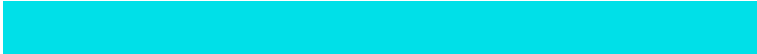
74.4485, 59.1375, 47.0199



61.8940, 59.1375, 26.9443

Sweetspot

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



41.2229, 59.1397, 85.5874



71.4492, 86.5926, 107.5560



28.9004, 57.7315, 9.8438



14.7587, 18.2219, 22.9893



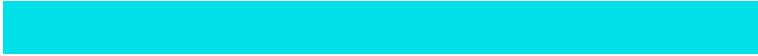
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



41.2229, 59.1397, 85.5874



51.0687, 73.2573, 106.0562



19.9605, 16.6148, 78.5000



14.7626, 16.2466, 18.5022



22.9044, 32.8709, 47.5207



1.7060, 2.4559, 3.5161

Inverse Universe

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



46.7348, 22.5393, 72.4106



57.9063, 27.9265, 89.6935



40.4572, 31.5117, 3.9517



14.9725, 14.6062, 18.0557



25.9546, 12.5161, 40.2514



1.9247, 0.9276, 3.0101

Previews

White Background



This preview shows how the XYZ color 41.2211, 59.1375, 85.5860 looks on a white background.

Color Contrast Check

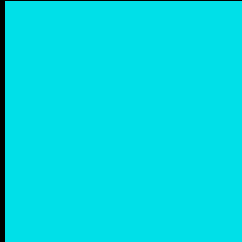
Large Text (above 18pt) WCAG AA × Fail

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 41.2211, 59.1375, 85.5860 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 41.2211, 59.1375, 85.5860

Background



This preview shows how black text looks on a background with the XYZ color 41.2211, 59.1375, 85.5860.

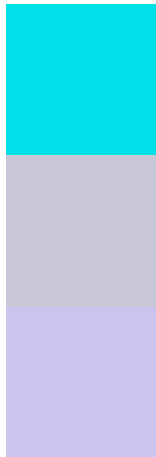


This preview shows how white text looks on a background with the XYZ color 41.2211, 59.1375,

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

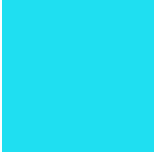
41.2211, 59.1375, 85.5860

Protanopia

56.3713, 57.9468, 73.1795

Deuteranopia

59.5297, 58.2095, 88.9869



Tritanopia

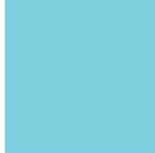
42.8299, 59.4175, 92.4304

Trichromacy



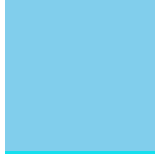
Original Color

41.2211, 59.1375, 85.5860



Protanomaly

44.4931, 54.8977, 77.3585



Deuteranomaly

46.2649, 54.8659, 87.5086



Tritanomaly

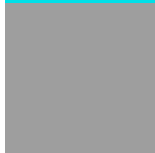
42.1088, 59.0971, 90.0764

Monochromacy



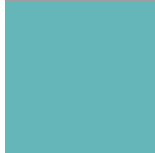
Original Color

41.2211, 59.1375, 85.5860



Achromatopsia

32.4990, 34.1914, 37.2345



Achromatomaly

30.8517, 39.7254, 51.9406

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.2211, 59.1375, 85.5860 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, 232)` looks like.

```
.text, #text, p{  
    color:rgb(0, 224, 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(0, 224, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 224, 232) }
```

Border

The CSS property to change the border of an element to XYZ 41.2211, 59.1375, 85.5860 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, 232) }
```


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

```
.border{ border-color:rgb(0, 224, 232) }
```

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, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 224, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 224, 232);  
box-shadow:4px 4px 4px 4px rgb(0, 224,  
232) }
```

Background

The CSS property to change the background color of an element to XYZ 41.2211, 59.1375, 85.5860 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, 232) }
```

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

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