

Converting Colors

XYZ(42.4769, 61.0535, 87.8403)

Have a look what the booklet for
XYZ(42.4769, 61.0535, 87.8403)
contains.

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Color

**XYZ(42.4645, 60.9363,
88.1210)**

Conversions

Conversions Part 1

Format	Color
Hex	00E3EB
RGB	0, 227, 235
RGB Percent	0%, 89%, 92%
CMY	0.9997, 0.1098, 0.0784
CMYK	1.00, 0.03, 0.00, 0.08
HSL	182°, 100%, 46%
HSV	182°, 100%, 92%
XYZ	42.4645, 60.9363, 88.1210
YIQ	160.0390, -137.8600, -45.6360

Conversions

Conversions Part 2

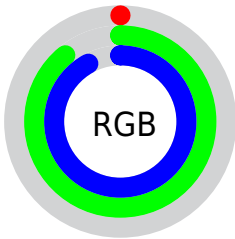
Format	Color
RYB	0, 115, 235
Decimal	58347
CIELab	82.34, -41.66, -16.82
CIELCh	82, 44.930, 201.988
Yxy	60.9363, 0.2217, 0.3182
Android (android.graphics.Color)	4278248427 (0xFF00E3EB)
YUV	160.0390, 36.9558, -140.3542
Hunter-Lab	78.0617, -39.5064, -12.2871

Details

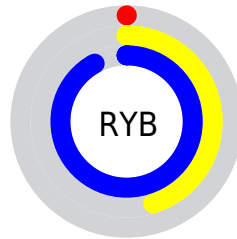
The XYZ color **42.4645, 60.9363, 88.1210** is a light color, and the websafe version is hex **00CCCC**. The color can be described as light washed cyan. A complement of this color would be **34.3494, 17.8377, 1.6345**, and the grayscale version is **33.3221, 35.0575, 38.1776**.

A 20% lighter version of the original color is **60.7494, 82.3174, 107.2948**, and **22.6996, 32.3805, 47.7015** is the 20% darker color. If you saturate the color by 10%, you get **42.4649, 60.9368, 88.1222**, and if you desaturate by 10%, it is **43.0514, 61.5657, 88.2127**.

Distribution



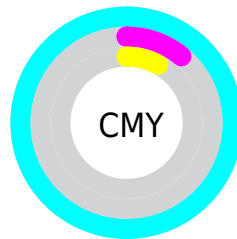
- Red (0%)
- Green (89%)
- Blue (92%)



- Red (0%)
- Yellow (45%)
- Blue (92%)



- Cyan (100%)
- Magenta (3%)
- Yellow (0%)
- Black (8%)



- Cyan (100%)
- Magenta (11%)
- Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.4645, 60.9363, 88.1210 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 42.4645, 60.9363, 88.1210 by changing the saturation by 10% instead.

42.4645, 60.9363,
88.1210

42.4645, 60.9363,
88.1210

347.3638,
428.0404, 542.3110

29.6579, 44.1738,
65.8584

78.1629, 106.1867,
146.6382

19.7258, 30.8071,
47.7017

101.7854,
135.4433, 183.7299

12.3030, 20.4520,
33.2324

129.7439,
169.6335, 226.6017

7.0241, 12.7241,
22.0320

162.4037,
209.1415, 275.6721

3.5236, 7.2388,
13.6818

200.1303,
254.3518, 331.3597

1.4363, 3.6119,
7.7635

243.2889,

0.2819, 1.4589,

305.6488, 394.0830

3.8584

292.2450,
363.4169, 464.2606

■ 0.0000, 0.2595,
1.5480

■ 0.0000, 0.0000,
0.2533

■ 42.4645, 60.9363,
88.1210

■ 42.4645, 60.9363,
88.1210

■ 42.4649, 60.9368,
88.1222

■ 43.0514, 61.5657,
88.2127

■ 44.0807, 62.4235,
88.3240

■ 45.6936, 63.5836,
88.4629

■ 47.9721, 65.0884,
88.6333

■ 50.9852, 66.9734,
88.8383

■ 54.7931, 69.2696,
89.0808

■ 59.4499, 72.0050,
89.3634

■ 65.0049, 75.2050,
89.6883

■ 71.5037, 78.8930,
90.0576

Harmonies

Analogous

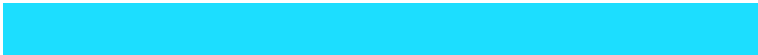
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



41.5284, 60.9363, 59.2659



42.4645, 60.9363, 88.1210



47.3009, 60.9363, 117.1844

Triad

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



42.4645, 60.9363, 88.1210



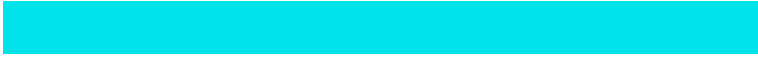
73.6736, 60.9363, 104.4190



60.5232, 60.9363, 26.6263

Complementary

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



42.4645, 60.9363, 88.1210



34.3494, 17.8377, 1.6345

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.



70.0160, 60.9363, 32.8655



42.4645, 60.9363, 88.1210



78.1360, 60.9363, 73.9757

Square

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



42.4645, 60.9363, 88.1210



65.0907, 60.9363, 128.2576



76.7285, 60.9363, 48.4959



51.2928, 60.9363, 28.4746

Rectangle

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



42.4645, 60.9363, 88.1210



52.4080, 60.9363, 130.2094



76.7285, 60.9363, 48.4959



63.8016, 60.9363, 27.7685

Sweetspot

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



42.4664, 60.9385, 88.1225



71.4598, 86.6137, 107.5595



29.7529, 59.4352, 10.1308



14.7613, 18.2270, 22.9901



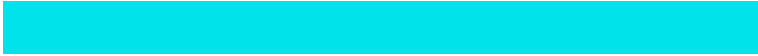
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



42.4664, 60.9385, 88.1225



51.1027, 73.3254, 106.0676



20.5404, 17.0866, 80.8138



15.4712, 17.0288, 19.3937



23.6534, 33.9539, 49.0501



1.8712, 2.6938, 3.8562

Inverse Universe

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



48.1277, 23.2101, 74.6187



57.9235, 27.9334, 89.7841



41.6418, 32.4225, 4.0654



15.6914, 15.3044, 18.9260



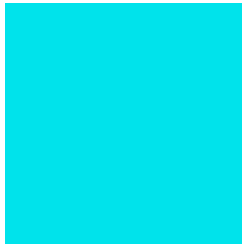
26.7945, 12.9205, 41.5805



2.1110, 1.0174, 3.3018

Previews

White Background



This preview shows how the XYZ color 42.4645, 60.9363, 88.1210 looks on a white background.

Color Contrast Check

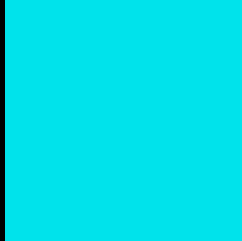
Large Text (above 18pt) WCAG AA × Fail

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 42.4645, 60.9363, 88.1210 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

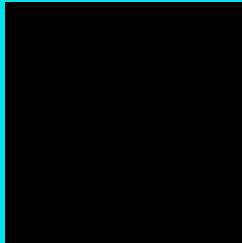
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

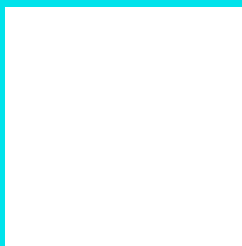
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 42.4645, 60.9363, 88.1210

Background



This preview shows how black text looks on a background with the XYZ color 42.4645, 60.9363, 88.1210.



This preview shows how white text looks on a background with the XYZ color 42.4645, 60.9363,

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

42.4645, 60.9363, 88.1210

Protanopia

58.2638, 59.9121, 75.5112

Deuteranopia

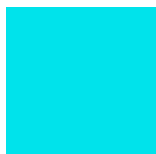
60.9731, 59.5764, 91.5049



Tritanopia

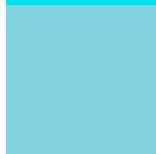
44.1212, 61.2314, 95.0814

Trichromacy



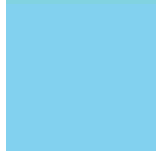
Original Color

42.4645, 60.9363, 88.1210



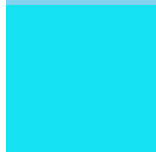
Protanomaly

45.9381, 56.6919, 79.7556



Deuteranomaly

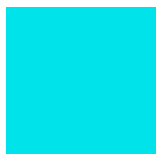
47.5864, 56.5787, 90.0741



Tritanomaly

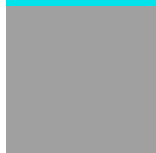
43.3620, 60.8923, 92.6871

Monochromacy



Original Color

42.4645, 60.9363, 88.1210



Achromatopsia

33.4132, 35.1533, 38.2819



Achromatomaly

31.5896, 40.6936, 53.2034

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.4645, 60.9363, 88.1210 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, 227, 235)` looks like.

```
.text, #text, p{  
    color:rgb(0, 227, 235)  
}
```

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, 227, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 227, 235) }
```

Border

The CSS property to change the border of an element to XYZ 42.4645, 60.9363, 88.1210 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, 227, 235) }
```


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

```
.border{ border-color:rgb(0, 227, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 227, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 227, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 227, 235);  
box-shadow:4px 4px 4px 4px rgb(0, 227,  
235) }
```

Background

The CSS property to change the background color of an element to XYZ 42.4645, 60.9363, 88.1210 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 227, 235) }
```

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

```
.background{ background-color: rgb(0, 227,  
235) }
```

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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