

Converting Colors

XYZ(22.2348, 49.2157, 90.1094)

Have a look what the booklet for
XYZ(22.2348, 49.2157, 90.1094)
contains.

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Color

**XYZ(42.2356, 59.5433,
90.9283)**

Conversions

Conversions Part 1

Format	Color
Hex	00E0EF
RGB	0, 224, 239
RGB Percent	0%, 88%, 94%
CMY	0.9998, 0.1216, 0.0627
CMYK	1.00, 0.06, 0.00, 0.06
HSL	184°, 100%, 47%
HSV	184°, 100%, 94%
XYZ	42.2356, 59.5433, 90.9283
YIQ	158.7340, -138.3190, -42.8230

Conversions

Conversions Part 2

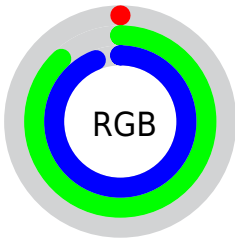
Format	Color
RYB	0, 116, 239
Decimal	57583
CIELab	81.59, -39.09, -20.08
CIELCh	82, 43.951, 207.189
Yxy	59.5433, 0.2192, 0.3090
Android (android.graphics.Color)	4278247663 (0xFF00E0EF)
YUV	158.7340, 39.5711, -139.2097
Hunter-Lab	77.1643, -37.3362, -15.8507

Details

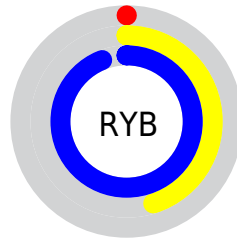
The XYZ color **42.2356, 59.5433, 90.9283** is a light color, and the websafe version is hex **00CCCC**. The color can be described as light washed cyan. A complement of this color would be **35.7691, 18.6945, 1.7249**, and the grayscale version is **32.7127, 34.4163, 37.4794**.

A 20% lighter version of the original color is **60.7494, 82.3174, 107.2948**, and **22.5499, 31.4242, 49.6767** is the 20% darker color. If you saturate the color by 10%, you get **42.2357, 59.5430, 90.9294**, and if you desaturate by 10%, it is **43.0175, 60.5488, 91.0823**.

Distribution



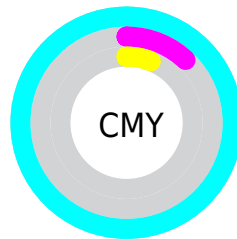
- Red (0%)
- Green (88%)
- Blue (94%)



- Red (0%)
- Yellow (45%)
- Blue (94%)



- Cyan (100%)
- Magenta (6%)
- Yellow (0%)
- Black (6%)



- Cyan (100%)
- Magenta (12%)
- Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.2356, 59.5433, 90.9283 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 42.2356, 59.5433, 90.9283 by changing the saturation by 10% instead.

42.2356, 59.5433,
90.9283

42.2356, 59.5433,
90.9283

346.4337,
422.9123, 551.6938

29.4777, 43.0506,
68.1728

77.8190, 104.1669,
150.5739

19.5886, 29.9248,
49.5707

101.3752,
133.0666, 188.3011

12.2029, 19.7815,
34.7037

129.2617,
166.8707, 231.8560

6.9552, 12.2363,
23.1530

161.8436,
205.9638, 281.6570

3.4802, 6.9049,
14.5001

199.4864,
250.7300, 338.1228

1.4125, 3.4027,
8.3266

242.5555,

0.2651, 1.3454,

301.5540, 401.6718

4.2139

291.4161,
358.8199, 472.7226

■ 0.0000, 0.1759,
1.7434

■ 0.0000, 0.0000,
0.3902

■ 42.2356, 59.5433,
90.9283

■ 42.2356, 59.5433,
90.9283

■ 42.2357, 59.5430,
90.9294

■ 43.0175, 60.5488,
91.0823

■ 44.2627, 61.7972,
91.2576

■ 46.1172, 63.3651,
91.4625

■ 48.6665, 65.2965,
91.7010

■ 51.9826, 67.6284,
91.9763

■ 56.1283, 70.3934,
92.2915

■ 61.1600, 73.6205,
92.6492

■ 67.1291, 77.3363,
93.0518

■ 74.0831, 81.5651,
93.5015

Harmonies

Analogous

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



40.6604, 59.5433, 62.3729



42.2356, 59.5433, 90.9283



47.5155, 59.5433, 117.5935

Triad

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



42.2356, 59.5433, 90.9283



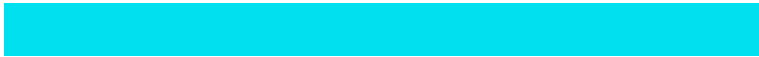
72.8515, 59.5433, 96.4429



57.4685, 59.5433, 26.1759

Complementary

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



42.2356, 59.5433, 90.9283



35.7691, 18.6945, 1.7249

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.



66.7613, 59.5433, 30.8206



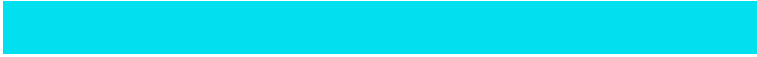
42.2356, 59.5433, 90.9283



76.2261, 59.5433, 67.3559

Square

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



42.2356, 59.5433, 90.9283



65.0932, 59.5433, 121.3379



73.8858, 59.5433, 44.2784



48.8691, 59.5433, 29.3279

Rectangle

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



42.2356, 59.5433, 90.9283



52.7511, 59.5433, 128.0636



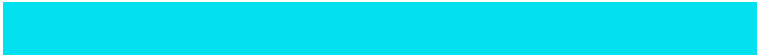
73.8858, 59.5433, 44.2784



60.6194, 59.5433, 26.8389

Sweetspot

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



42.2375, 59.5455, 90.9298



70.7722, 85.2386, 107.3303



30.9341, 61.7608, 10.6387



14.5939, 17.8922, 22.9343



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.



42.2375, 59.5455, 90.9298



48.9146, 68.9492, 105.3382



20.8998, 16.8702, 83.8172



16.1575, 17.7490, 20.2959



23.3767, 32.9777, 50.2611



1.9702, 2.7945, 4.1898

Inverse Universe

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



49.0527, 23.7343, 72.5190



56.8190, 27.4916, 83.9681



43.7782, 34.7126, 4.3946



16.4089, 16.0133, 19.7096



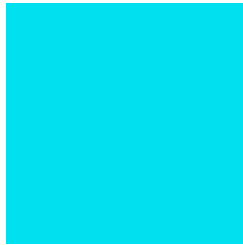
27.1251, 13.1225, 40.1709



2.2694, 1.0968, 3.4097

Previews

White Background



This preview shows how the XYZ color 42.2356, 59.5433, 90.9283 looks on a white background.

Color Contrast Check

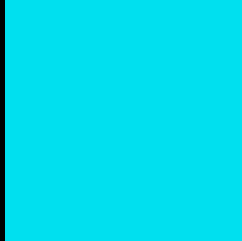
Large Text (above 18pt) WCAG AA × Fail

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 42.2356, 59.5433, 90.9283 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

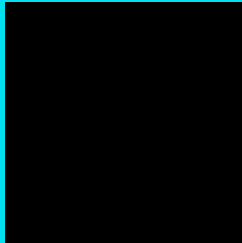
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 42.2356, 59.5433, 90.9283

Background



This preview shows how black text looks on a background with the XYZ color 42.2356, 59.5433, 90.9283.

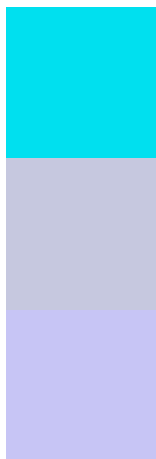


This preview shows how white text looks on a background with the XYZ color 42.2356, 59.5433,

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

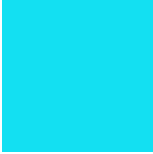
42.2356, 59.5433, 90.9283

Protanopia

57.2623, 58.6420, 78.1130

Deuteranopia

60.0009, 58.6672, 94.5477



Tritanopia

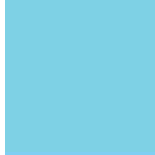
42.9512, 59.8606, 93.2949

Trichromacy



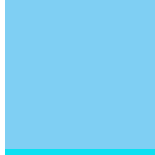
Original Color

42.2356, 59.5433, 90.9283



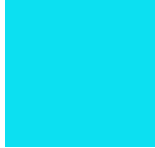
Protanomaly

45.5475, 55.6937, 82.4781



Deuteranomaly

47.2429, 55.6087, 93.0376



Tritanomaly

42.6845, 59.7403, 92.5004

Monochromacy



Original Color

42.2356, 59.5433, 90.9283



Achromatopsia

32.9542, 34.6704, 37.7561



Achromatomaly

31.3774, 40.2645, 53.6950

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.2356, 59.5433, 90.9283 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, 239)` looks like.

```
.text, #text, p{  
    color:rgb(0, 224, 239)  
}
```

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, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 224, 239) }
```

Border

The CSS property to change the border of an element to XYZ 42.2356, 59.5433, 90.9283 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, 239) }
```


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

```
.border{ border-color:rgb(0, 224, 239) }
```

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, 239) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 224, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 224, 239);  
box-shadow:4px 4px 4px 4px rgb(0, 224,  
239) }
```

Background

The CSS property to change the background color of an element to XYZ 42.2356, 59.5433, 90.9283 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, 239) }
```

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

```
.background{ background-color: rgb(0, 224,  
239) }
```

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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