

Converting Colors

XYZ(27.8051, 56.6813, 86.9724)

Have a look what the booklet for
XYZ(27.8051, 56.6813, 86.9724)
contains.

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Color

**XYZ(44.5596, 65.3572,
88.1086)**

Conversions

Conversions Part 1

Format	Color
Hex	00EBEA
RGB	0, 235, 234
RGB Percent	0%, 92%, 92%
CMY	0.9998, 0.0784, 0.0823
CMYK	1.00, 0.00, 0.00, 0.08
HSL	180°, 100%, 46%
HSV	180°, 100%, 92%
XYZ	44.5596, 65.3572, 88.1086
YIQ	164.6210, -139.7390, -50.1310

Conversions

Conversions Part 2

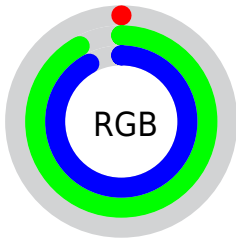
Format	Color
RYB	0, 118, 235
Decimal	60394
CIELab	84.67, -45.49, -12.81
CIELCh	85, 47.258, 195.726
Yxy	65.3572, 0.2250, 0.3300
Android (android.graphics.Color)	4278250474 (0xFF00EBEA)
YUV	164.6210, 34.2038, -144.3726
Hunter-Lab	80.8438, -43.0908, -8.0273

Details

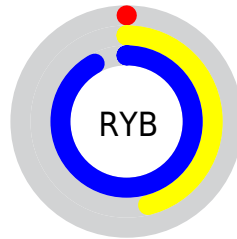
The XYZ color **44.5596, 65.3572, 88.1086** is a light color, and the websafe version is hex **33FFFF**. The color can be described as light washed cyan. A complement of this color would be **34.2685, 17.6664, 1.6343**, and the grayscale version is **35.4815, 37.3293, 40.6516**.

A 20% lighter version of the original color is **61.0125, 82.4530, 107.3071**, and **23.9563, 35.0551, 47.6232** is the 20% darker color. If you saturate the color by 10%, you get **44.5608, 65.3592, 88.1100**, and if you desaturate by 10%, it is **44.9415, 65.5538, 88.2031**.

Distribution



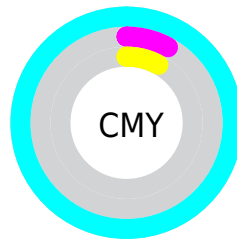
- Red (0%)
- Green (92%)
- Blue (92%)



- Red (0%)
- Yellow (46%)
- Blue (92%)



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



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 44.5596, 65.3572, 88.1086 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 44.5596, 65.3572, 88.1086 by changing the saturation by 10% instead.

44.5596, 65.3572,
88.1086

44.5596, 65.3572,
88.1086

355.8008,
444.0745, 542.2693

31.3105, 47.7508,
65.8482

81.3003, 112.5632,
146.6208

20.9884, 33.6296,
47.6935

105.5226,
142.9317, 183.7097

13.2279, 22.6092,
33.2259

134.1333,
178.3229, 226.5784

7.6638, 14.3052,
22.0270

167.4978,
219.1212, 275.6456

3.9305, 8.3332,
13.6783

205.9814,
265.7112, 331.3297

1.6629, 4.3089,
7.7610

249.9496,

0.4329, 1.8478,

318.4771, 394.0494

3.8569

299.7676,
377.8034, 464.2230

■ 0.0000, 0.5167,
1.5471

■ 0.0000, 0.0000,
0.2527

■ 44.5596, 65.3572,
88.1086

■ 44.5596, 65.3572,
88.1086

■ 44.5608, 65.3592,
88.1100

■ 44.9415, 65.5538,
88.2031

■ 45.7647, 65.9765,
88.3169

■ 47.1705, 66.6996,
88.4579

■ 49.2408, 67.7652,
88.6301

■ 52.0447, 69.2090,
88.8367

■ 55.6424, 71.0620,
89.0805

■ 60.0879, 73.3521,
89.3639

■ 65.4307, 76.1047,
89.6895

■ 71.7162, 79.3433,
90.0591

Harmonies

Analogous

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



44.4531, 65.3572, 57.7710



44.5596, 65.3572, 88.1086



49.0010, 65.3572, 121.4242

Triad

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



44.5596, 65.3572, 88.1086



77.8153, 65.3572, 119.9439



67.2602, 65.3572, 28.3866

Complementary

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



44.5596, 65.3572, 88.1086



34.2685, 17.6664, 1.6343

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.



77.3937, 65.3572, 37.1294



44.5596, 65.3572, 88.1086



83.9393, 65.3572, 86.4791

Square

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



44.5596, 65.3572, 88.1086



67.7851, 65.3572, 143.0611



83.7768, 65.3572, 56.5424



56.7798, 65.3572, 28.5936

Rectangle

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



44.5596, 65.3572, 88.1086



54.1439, 65.3572, 138.3922



83.7768, 65.3572, 56.5424



70.8434, 65.3572, 30.2379

Sweetspot

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



44.5616, 65.3596, 88.1102



72.2326, 88.2432, 107.5583



29.7594, 59.4444, 9.9071



14.9497, 18.6244, 22.9897



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.



44.5616, 65.3596, 88.1102



53.6354, 78.6702, 106.0506



21.8885, 19.7824, 81.2646



15.5148, 17.1207, 19.3937



24.8006, 36.3747, 49.0425



1.9484, 2.8567, 3.8558

Inverse Universe

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



34.2685, 17.6664, 1.6343



41.2460, 21.2624, 1.9614



40.2365, 29.6110, 3.5965



15.0681, 15.0551, 15.6440



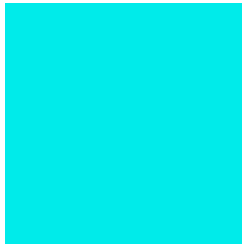
19.0720, 9.8315, 0.9146



1.4985, 0.7724, 0.0767

Previews

White Background



This preview shows how the XYZ color 44.5596, 65.3572, 88.1086 looks on a white background.

Color Contrast Check

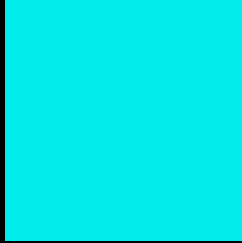
Large Text (above 18pt) WCAG AA × Fail

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 44.5596, 65.3572, 88.1086 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

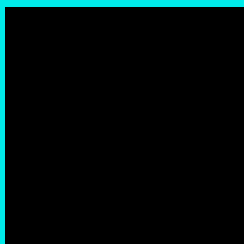
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

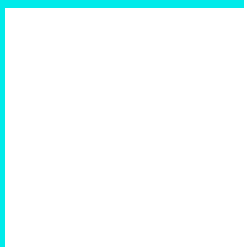
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 44.5596, 65.3572, 88.1086

Background



This preview shows how black text looks on a background with the XYZ color 44.5596, 65.3572, 88.1086.

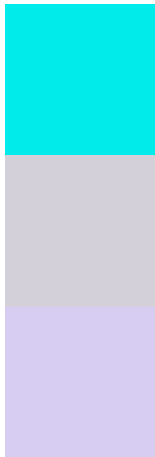


This preview shows how white text looks on a background with the XYZ color 44.5596, 65.3572,

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

44.5596, 65.3572, 88.1086

Protanopia

62.0747, 64.0226, 75.4156

Deuteranopia

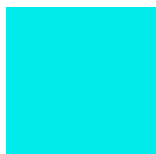
65.4944, 63.9837, 92.1172



Tritanopia

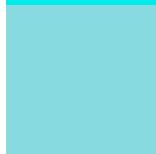
47.3079, 65.2137, 101.3609

Trichromacy



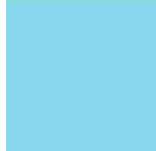
Original Color

44.5596, 65.3572, 88.1086



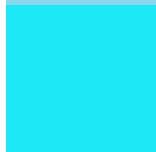
Protanomaly

48.3575, 60.5930, 79.6679



Deuteranomaly

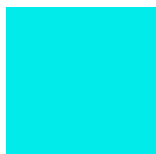
50.0496, 60.0923, 89.8500



Tritanomaly

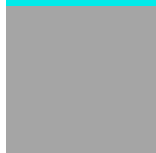
46.0992, 65.1173, 96.5254

Monochromacy



Original Color

44.5596, 65.3572, 88.1086



Achromatopsia

35.7637, 37.6262, 40.9749



Achromatomaly

33.5334, 43.5479, 55.3534

CSS Examples

Text

The CSS property to change the color of the text to XYZ 44.5596, 65.3572, 88.1086 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, 235, 234)` looks like.

```
.text, #text, p{  
    color:rgb(0, 235, 234)  
}
```

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, 235, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 235, 234) }
```

Border

The CSS property to change the border of an element to XYZ 44.5596, 65.3572, 88.1086 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, 235, 234) }
```


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

```
.border{ border-color:rgb(0, 235, 234) }
```

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

Here you see how a box with a 4 pixel rgb(0, 235, 234) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 235, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 235, 234);  
box-shadow:4px 4px 4px 4px rgb(0, 235,  
234) }
```

Background

The CSS property to change the background color of an element to XYZ 44.5596, 65.3572, 88.1086 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 235, 234) }
```

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

```
.background{ background-color: rgb(0, 235,  
234) }
```

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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