

Converting Colors

XYZ(21.6836, 53.8586, 81.0363)

Have a look what the booklet for
XYZ(21.6836, 53.8586, 81.0363)
contains.

XYZ(43.4358, 64.9076, 82.1906)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(43.4358, 64.9076,
82.1906)**

Conversions

Conversions Part 1

Format	Color
Hex	00EBE2
RGB	0, 235, 226
RGB Percent	0%, 92%, 89%
CMY	0.9998, 0.0784, 0.1137
CMYK	1.00, 0.00, 0.04, 0.08
HSL	178°, 100%, 46%
HSV	178°, 100%, 92%
XYZ	43.4358, 64.9076, 82.1906
YIQ	163.7090, -137.1710, -52.6190

Conversions

Conversions Part 2

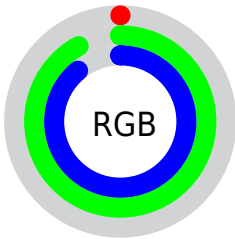
Format	Color
RYB	0, 120, 235
Decimal	60386
CIELab	84.44, -47.78, -8.94
CIELCh	84, 48.614, 190.594
Yxy	64.9076, 0.2280, 0.3407
Android (android.graphics.Color)	4278250466 (0xFF00EBE2)
YUV	163.7090, 30.7095, -143.5728
Hunter-Lab	80.5653, -44.7530, -4.0905

Details

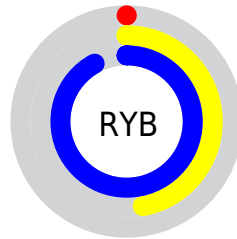
The XYZ color **43.4358, 64.9076, 82.1906** is a light color, and the websafe version is hex **00FFFF**. The color can be described as light washed cyan. A complement of this color would be **34.3124, 17.6839, 1.8651**, and the grayscale version is **35.0632, 36.8892, 40.1724**.

A 20% lighter version of the original color is **60.8802, 82.3848, 107.3009**, and **23.2711, 34.7811, 44.0150** is the 20% darker color. If you saturate the color by 10%, you get **43.4366, 64.9095, 82.1904**, and if you desaturate by 10%, it is **43.9272, 65.1481, 82.8618**.

Distribution



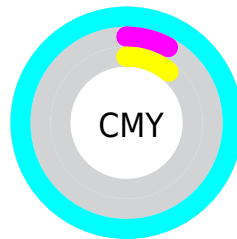
- Red (0%)
- Green (92%)
- Blue (89%)



- Red (0%)
- Yellow (47%)
- Blue (92%)



- Cyan (100%)
- Magenta (0%)
- Yellow (4%)
- Black (8%)




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

Brightness & Saturation Gradients


These gradients show how the XYZ color 43.4358, 64.9076, 82.1906 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 43.4358, 64.9076, 82.1906 by changing the saturation by 10% instead.


 43.4358, 64.9076,
82.1906


 43.4358, 64.9076,
82.1906


351.2921,
442.4598, 522.1852


 30.4232, 47.3862,
60.9859


 79.6197, 111.9170,
138.2803

 20.3097, 33.3410,
43.7833


 103.5217,
142.1738, 174.0025


 12.7299, 22.3878,
30.1643


 131.7843,
177.4444, 215.4009

 7.3186, 14.1421,
19.7102

 164.7727,
218.1133, 262.8940

 3.7102, 8.2196,
12.0026

 202.8523,
264.5650, 316.9005

 1.5395, 4.2358,
6.6229

246.3885,

 0.3525, 1.8063,

317.1837, 377.8388

3.1525

295.7467,
376.3538, 446.1275

■ 0.0000, 0.4911,
1.1730

■ 0.0000, 0.0000,
0.0000

■ 43.4358, 64.9076,
82.1906

■ 43.4358, 64.9076,
82.1906

■ 43.4366, 64.9095,
82.1904

■ 43.9272, 65.1481,
82.8618

■ 44.8606, 65.6148,
83.5556

■ 46.3772, 66.3822,
84.2801

■ 48.5590, 67.4925,
85.0391

■ 51.4750, 68.9811,
85.8359

■ 55.1855, 70.8792,
86.6733

■ 59.7445, 73.2147,
87.5538

■ 65.2013, 76.0129,
88.4798

■ 71.6016, 79.2975,
89.4533

Harmonies

Analogous

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



44.0932, 64.9076, 52.6840



43.4358, 64.9076, 82.1906



47.2187, 64.9076, 116.9092

Triad

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



43.4358, 64.9076, 82.1906



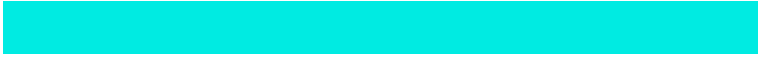
76.2284, 64.9076, 126.1898



68.8590, 64.9076, 28.0865

Complementary

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



43.4358, 64.9076, 82.1906



34.3124, 17.6839, 1.8651

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.



78.8581, 64.9076, 38.5873



43.4358, 64.9076, 82.1906



83.4446, 64.9076, 92.3521

Square

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



43.4358, 64.9076, 82.1906



65.5930, 64.9076, 146.8102



84.4595, 64.9076, 60.2856



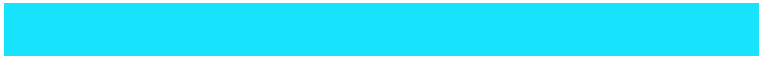
57.9502, 64.9076, 26.8264

Rectangle

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



43.4358, 64.9076, 82.1906



52.0406, 64.9076, 136.2412



84.4595, 64.9076, 60.2856



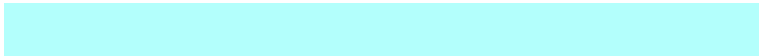
72.4702, 64.9076, 30.4682

Sweetspot

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



43.4377, 64.9100, 82.1922



71.8167, 88.0769, 105.3682



29.8586, 59.4955, 9.9118



14.8483, 18.5839, 22.4557



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.



43.4377, 64.9100, 82.1922



52.2765, 78.1266, 98.8949



22.8837, 21.7730, 81.5963



15.4913, 17.1113, 19.2699



24.1851, 36.1285, 45.8011



1.9069, 2.8401, 3.6376

Inverse Universe

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



34.3124, 17.6839, 1.8651



41.2935, 21.2814, 2.2119



39.3943, 27.9267, 3.3158



15.0889, 15.0634, 15.7532



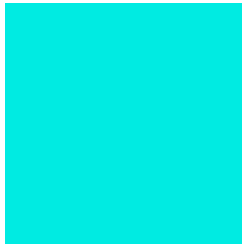
19.1058, 9.8450, 1.0925



1.5085, 0.7764, 0.1293

Previews

White Background



This preview shows how the XYZ color 43.4358, 64.9076, 82.1906 looks on a white background.

Color Contrast Check

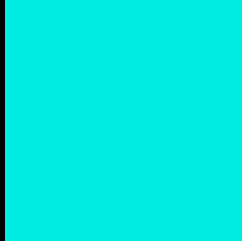
Large Text (above 18pt) WCAG AA × Fail

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 43.4358, 64.9076, 82.1906 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

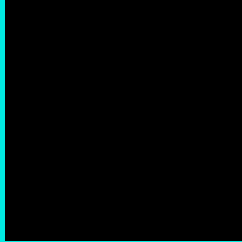
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

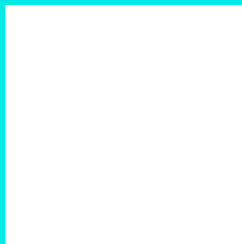
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 43.4358, 64.9076, 82.1906

Background



This preview shows how black text looks on a background with the XYZ color 43.4358, 64.9076, 82.1906.

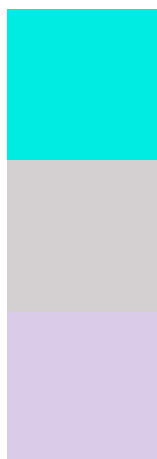


This preview shows how white text looks on a background with the XYZ color 43.4358, 64.9076,

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

43.4358, 64.9076, 82.1906

Protanopia

61.3401, 63.7619, 70.0471

Deuteranopia

64.9774, 63.5005, 85.9229



Tritanopia

47.1466, 64.7321, 100.4521

Trichromacy



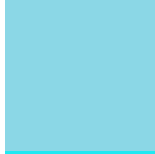
Original Color

43.4358, 64.9076, 82.1906



Protanomaly

47.4577, 60.2516, 74.0942



Deuteranomaly

49.2308, 59.8030, 83.8113



Tritanomaly

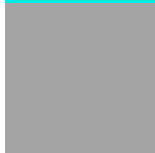
45.3295, 64.3712, 93.2549

Monochromacy



Original Color

43.4358, 64.9076, 82.1906



Achromatopsia

35.2861, 37.1238, 40.4278



Achromatomaly

33.0920, 43.3578, 53.6385

CSS Examples

Text

The CSS property to change the color of the text to XYZ 43.4358, 64.9076, 82.1906 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, 226)` looks like.

```
.text, #text, p{  
    color:rgb(0, 235, 226)  
}
```

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, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 235, 226) }
```

Border

The CSS property to change the border of an element to XYZ 43.4358, 64.9076, 82.1906 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, 226) }
```


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

```
.border{ border-color:rgb(0, 235, 226) }
```

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, 226) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 235, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 235, 226);  
box-shadow:4px 4px 4px 4px rgb(0, 235,  
226) }
```

Background

The CSS property to change the background color of an element to XYZ 43.4358, 64.9076, 82.1906 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, 226) }
```

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

```
.background{ background-color: rgb(0, 235,  
226) }
```

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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