

Converting Colors

XYZ(44.4164, 64.8294, 87.8821)

Have a look what the booklet for
XYZ(44.4164, 64.8294, 87.8821)
contains.

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Color

**XYZ(44.4711, 64.8877,
88.0226)**

Conversions

Conversions Part 1

Format	Color
Hex	0FEAEA
RGB	15, 234, 234
RGB Percent	6%, 92%, 92%
CMY	0.9410, 0.0823, 0.0823
CMYK	0.94, 0.00, 0.00, 0.08
HSL	180°, 88%, 49%
HSV	180°, 94%, 92%
XYZ	44.4711, 64.8877, 88.0226
YIQ	168.5190, -130.5240, -46.4280

Conversions

Conversions Part 2

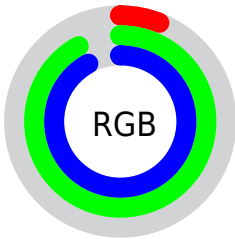
Format	Color
RYB	15, 125, 234
Decimal	1043178
CIELab	84.43, -44.70, -13.16
CIElCh	84, 46.603, 196.408
Yxy	64.8877, 0.2253, 0.3287
Android (android.graphics.Color)	4279233258 (0xFF0FEAEA)
YUV	168.5190, 32.2821, -134.6362
Hunter-Lab	80.5529, -42.4225, -8.4010

Details

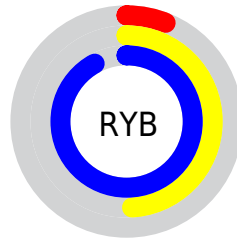
The XYZ color **44.4711, 64.8877, 88.0226** is a light color, and the websafe version is hex **33FFFF**. The color can be described as light washed cyan. A complement of this color would be **34.1909, 17.8706, 2.1011**, and the grayscale version is **37.3745, 39.3209, 42.8205**.

A 20% lighter version of the original color is **61.2812, 82.5916, 107.3196**, and **23.7580, 34.6586, 47.5571** is the 20% darker color. If you saturate the color by 10%, you get **44.2753, 64.7881, 88.0148**, and if you desaturate by 10%, it is **45.0913, 65.2088, 88.0532**.

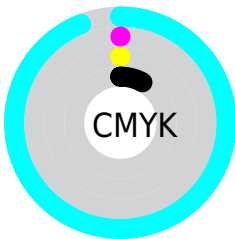
Distribution



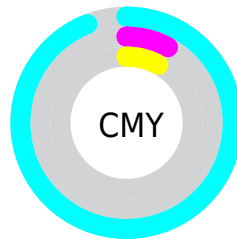
- Red (6%)
- Green (92%)
- Blue (92%)



- Red (6%)
- Yellow (49%)
- Blue (92%)



- Cyan (94%)
- Magenta (0%)
- Yellow (0%)
- Black (8%)





- Cyan (94%)
- Magenta (8%)
- Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 44.4711, 64.8877, 88.0226 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 44.4711, 64.8877, 88.0226 by changing the saturation by 10% instead.


 44.4711, 64.8877,
88.0226


 44.4711, 64.8877,
88.0226


355.4471,
442.3883, 541.9805

 31.2405, 47.3700,
65.7773


 81.1681, 111.8884,
146.5000


 20.9348, 33.3283,
47.6363


 105.3653,
142.1402, 183.5693


 13.1885, 22.3780,
33.1810


 133.9487,
177.4055, 226.4170

 7.6364, 14.1349,
21.9929

 167.2838,
218.0687, 275.4616

 3.9130, 8.2146,
13.6534

 205.7358,
264.5142, 331.1217

 1.6530, 4.2326,
7.7440

249.6701,

 0.4266, 1.8045,

317.1263, 393.8159

3.8462

299.4521,
376.2896, 463.9626

■ 0.0000, 0.4900,
1.5413

■ 0.0000, 0.0000,
0.2484

■ 44.4711, 64.8877,
88.0226

■ 44.4711, 64.8877,
88.0226

■ 44.2753, 64.7881,
88.0148

■ 45.0913, 65.2088,
88.0532

■ 46.2525, 65.8074,
88.1077

■ 48.0444, 66.7312,
88.1917

■ 50.5390, 68.0172,
88.3086

■ 53.7990, 69.6978,
88.4613

■ 57.8796, 71.8014,
88.6524

■ 62.8314, 74.3541,
88.8843

■ 68.7006, 77.3798,
89.1591

■ 75.5303, 80.9007,
89.4789

Harmonies

Analogous

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



44.2677, 64.8877, 58.0753



44.4711, 64.8877, 88.0226



48.9334, 64.8877, 120.5474

Triad

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



44.4711, 64.8877, 88.0226



77.2550, 64.8877, 117.7387



66.4744, 64.8877, 28.4430

Complementary

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



44.4711, 64.8877, 88.0226



34.1909, 17.8706, 2.1011

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.



76.4534, 64.8877, 36.8648



44.4711, 64.8877, 88.0226



83.1321, 64.8877, 84.9240

Square

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



44.4711, 64.8877, 88.0226



67.4735, 64.8877, 140.7213



82.8233, 64.8877, 55.7311



56.2164, 64.8877, 28.8405

Rectangle

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



44.4711, 64.8877, 88.0226



54.0402, 64.8877, 136.8865



82.8233, 64.8877, 55.7311



69.9944, 64.8877, 30.2068

Sweetspot

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



44.4731, 64.8901, 88.0242



73.4814, 88.8810, 107.8901



29.7730, 59.0176, 10.2761



15.1871, 18.7453, 23.0676



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.



44.4731, 64.8901, 88.0242



53.8097, 78.7399, 106.9683



22.7916, 21.5267, 80.7982



15.5177, 17.1219, 19.4092



24.8795, 36.4063, 49.4580



1.9536, 2.8588, 3.8837

Inverse Universe

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



34.1909, 17.8706, 2.1011



41.2400, 21.2600, 1.9301



40.8417, 31.1724, 4.3180



15.0655, 15.0541, 15.6304



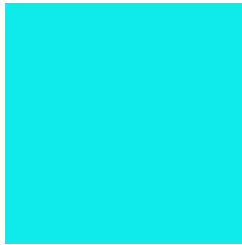
19.0678, 9.8298, 0.8924



1.4973, 0.7719, 0.0701

Previews

White Background



This preview shows how the XYZ color 44.4711, 64.8877, 88.0226 looks on a white background.

Color Contrast Check

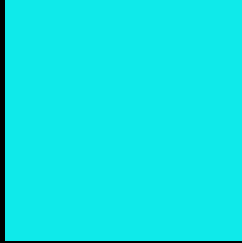
Large Text (above 18pt) WCAG AA × Fail

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 44.4711, 64.8877, 88.0226 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

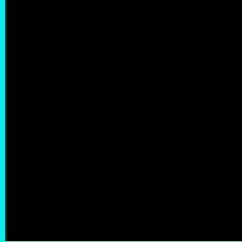
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

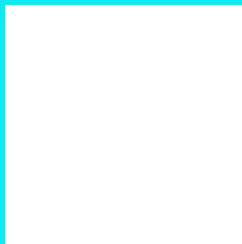
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 44.4711, 64.8877, 88.0226

Background



This preview shows how black text looks on a background with the XYZ color 44.4711, 64.8877, 88.0226.

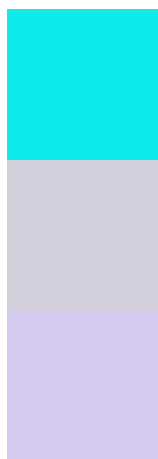


This preview shows how white text looks on a background with the XYZ color 44.4711, 64.8877,

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

44.4711, 64.8877, 88.0226

Protanopia

61.7891, 63.8753, 75.4022

Deuteranopia

65.2016, 63.8327, 92.1035



Tritanopia

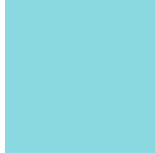
46.8699, 64.5894, 100.4392

Trichromacy



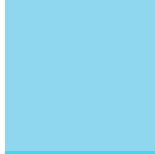
Original Color

44.4711, 64.8877, 88.0226



Protanomaly

48.9149, 60.4965, 79.6199



Deuteranomaly

50.8884, 60.5247, 89.8893



Tritanomaly

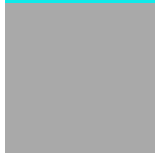
45.8129, 64.5682, 95.6363

Monochromacy



Original Color

44.4711, 64.8877, 88.0226



Achromatopsia

37.7116, 39.6755, 43.2066



Achromatomaly

35.5057, 45.5009, 57.3633

CSS Examples

Text

The CSS property to change the color of the text to XYZ 44.4711, 64.8877, 88.0226 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(15, 234, 234)` looks like.

```
.text, #text, p{  
    color:rgb(15, 234, 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(15, 234, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(15, 234, 234) }
```

Border

The CSS property to change the border of an element to XYZ 44.4711, 64.8877, 88.0226 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(15, 234, 234) }
```


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

```
.border{ border-color:rgb(15, 234, 234) }
```

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

Here you see how a box with a 4 pixel `rgb(15, 234, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(15, 234, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(15, 234, 234);  
box-shadow:4px 4px 4px 4px rgb(15, 234,  
234) }
```

Background

The CSS property to change the background color of an element to XYZ 44.4711, 64.8877, 88.0226 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(15, 234, 234) }
```

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

```
.background{ background-color: rgb(15, 234,  
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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