

Converting Colors

XYZ(46.1855, 66.6326, 82.2088)

Have a look what the booklet for
XYZ(46.1855, 66.6326, 82.2088)
contains.

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Color

**XYZ(46.3215, 66.8215,
82.4079)**

Conversions

Conversions Part 1

Format	Color
Hex	47ECE2
RGB	71, 236, 226
RGB Percent	28%, 93%, 89%
CMY	0.7215, 0.0745, 0.1137
CMYK	0.70, 0.00, 0.04, 0.07
HSL	176°, 81%, 60%
HSV	176°, 70%, 93%
XYZ	46.3215, 66.8215, 82.4079
YIQ	185.5250, -95.1300, -38.0900

Conversions

Conversions Part 2

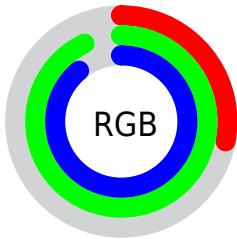
Format	Color
RYB	71, 156, 236
Decimal	4713698
CIELab	85.41, -43.65, -7.41
CIELCh	85, 44.277, 189.637
Yxy	66.8215, 0.2369, 0.3417
Android (android.graphics.Color)	4282903778 (0xFF47ECE2)
YUV	185.5250, 19.9542, -100.4384
Hunter-Lab	81.7444, -41.9035, -2.5501

Details

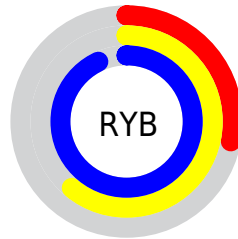
The XYZ color **46.3215, 66.8215, 82.4079** is a light color, and the websafe version is hex **33FFFF**. The color can be described as light muted cyan. A complement of this color would be **38.3328, 22.9356, 10.1937**, and the grayscale version is **46.3393, 48.7525, 53.0915**.

A 20% lighter version of the original color is **64.7945, 84.4027, 107.4841**, and **23.4708, 35.1805, 44.0815** is the 20% darker color. If you saturate the color by 10%, you get **44.7199, 66.0200, 81.3138**, and if you desaturate by 10%, it is **48.6004, 67.9750, 83.5452**.

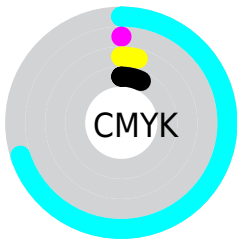
Distribution



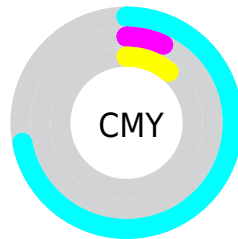
- Red (28%)
- Green (93%)
- Blue (89%)



- Red (28%)
- Yellow (61%)
- Blue (93%)



- Cyan (70%)
- Magenta (0%)
- Yellow (4%)
- Black (7%)





- Cyan (72%)
- Magenta (7%)
- Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.3215, 66.8215, 82.4079 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 46.3215, 66.8215, 82.4079 by changing the saturation by 10% instead.


 46.3215, 66.8215,
82.4079

 46.3215, 66.8215,
82.4079


362.7940,
449.3091, 522.9303


 32.7053, 48.9396,
61.1640


 83.9249, 114.6646,
138.5877


 22.0589, 34.5716,
43.9262

 108.6427,
145.3946, 174.3607

 14.0171, 23.3330,
30.2757


 137.7919,
181.1760, 215.8138

 8.2143, 14.8396,
19.7941

 171.7376,
222.3933, 263.3656

 4.2853, 8.7069,
12.0629

210.8454,
269.4309, 317.4346

 1.8648, 4.5505,
6.6635

255.4804,

 0.5562, 1.9860,

322.6731, 378.4394

3.1773

306.0082,
382.5044, 446.7984

■ 0.0000, 0.5993,
1.1859

■ 0.0000, 0.0000,
0.0000

■ 46.3215, 66.8215,
82.4079

■ 46.3215, 66.8215,
82.4079

■ 44.7199, 66.0200,
81.3138

■ 48.6004, 67.9750,
83.5452

■ 43.7069, 65.5201,
80.2543


■ 51.6201, 69.5088,
84.7243


■ 43.1450, 65.2527,
79.2244


■ 55.4437, 71.4568,
85.9496


■ 43.1407, 65.2507,
79.2153


■ 60.1257, 73.8471,
87.2237

 65.7159, 76.7054,
88.5489

 72.2604, 80.0555,
89.9275

 79.8020, 83.9194,
91.3613

 86.5880, 87.3936,
92.7685

 86.7984, 87.4777,
93.8767

Harmonies

Analogous

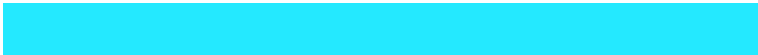
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



47.0822, 66.8215, 55.1692



46.3215, 66.8215, 82.4079



49.7784, 66.8215, 114.0191

Triad

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



46.3215, 66.8215, 82.4079



76.6360, 66.8215, 124.1629



70.4669, 66.8215, 32.2673

Complementary

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



46.3215, 66.8215, 82.4079



38.3328, 22.9356, 10.1937

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.



79.5639, 66.8215, 42.8869



46.3215, 66.8215, 82.4079



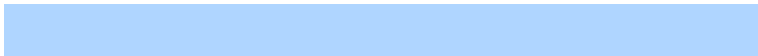
83.3778, 66.8215, 93.7347

Square

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



46.3215, 66.8215, 82.4079



66.7978, 66.8215, 141.9860



84.5023, 66.8215, 63.8911



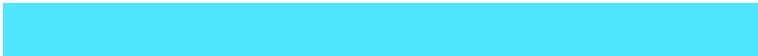
60.3355, 66.8215, 30.7370

Rectangle

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



46.3215, 66.8215, 82.4079



54.2473, 66.8215, 131.6277



84.5023, 66.8215, 63.8911



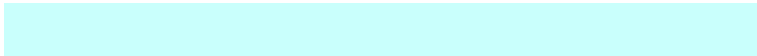
73.7753, 66.8215, 34.7274

Sweetspot

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



46.3235, 66.8240, 82.4095



77.5002, 91.0126, 105.3735



34.6147, 62.2423, 16.1526



16.1767, 19.2699, 22.4596



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.



46.3235, 66.8240, 82.4095



52.6958, 78.3990, 96.3714



31.1064, 34.1289, 84.3077



15.4759, 17.1052, 19.1891



23.7968, 35.9732, 43.7565



1.8806, 2.8296, 3.4991

Inverse Universe

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



38.3328, 22.9356, 10.1937



42.6869, 23.0964, 5.6718



45.4796, 37.7859, 10.8594



15.1025, 15.0688, 15.8250



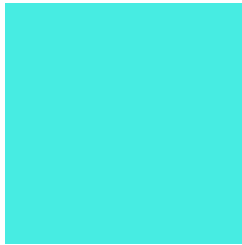
19.1280, 9.8539, 1.2097



1.5151, 0.7790, 0.1637

Previews

White Background



This preview shows how the XYZ color 46.3215, 66.8215, 82.4079 looks on a white background.

Color Contrast Check

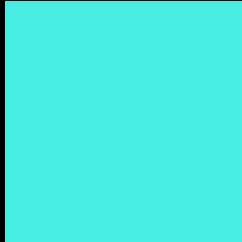
Large Text (above 18pt) WCAG AA × Fail

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 46.3215, 66.8215, 82.4079 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

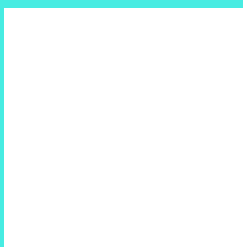
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 46.3215, 66.8215, 82.4079

Background



This preview shows how black text looks on a background with the XYZ color 46.3215, 66.8215, 82.4079.

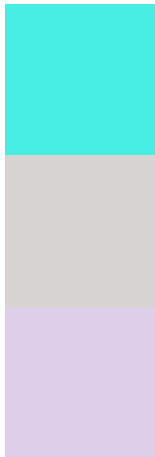


This preview shows how white text looks on a background with the XYZ color 46.3215, 66.8215,

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

46.3215, 66.8215, 82.4079

Protanopia

63.0765, 65.7388, 70.9924

Deuteranopia

67.2107, 65.7138, 86.2324



Tritanopia

50.0155, 66.6096, 101.4876

Trichromacy



Original Color

46.3215, 66.8215, 82.4079



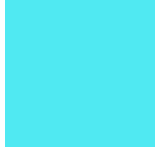
Protanomaly

53.0921, 63.9308, 74.5074



Deuteranomaly

55.2442, 63.6637, 84.2396



Tritanomaly

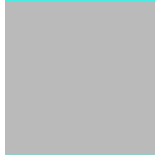
48.4742, 66.3941, 94.2649

Monochromacy



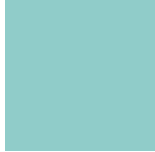
Original Color

46.3215, 66.8215, 82.4079



Achromatopsia

46.6715, 49.1021, 53.4722



Achromatomaly

43.6371, 53.3321, 63.2525

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.3215, 66.8215, 82.4079 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(71, 236, 226)` looks like.

```
.text, #text, p{  
    color:rgb(71, 236, 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(71, 236, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(71, 236, 226) }
```

Border

The CSS property to change the border of an element to XYZ 46.3215, 66.8215, 82.4079 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(71, 236, 226) }
```


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

```
.border{ border-color:rgb(71, 236, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(71, 236, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(71, 236, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(71, 236, 226);  
box-shadow:4px 4px 4px 4px rgb(71, 236,  
226) }
```

Background

The CSS property to change the background color of an element to XYZ 46.3215, 66.8215, 82.4079 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(71, 236, 226) }
```

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

```
.background{ background-color: rgb(71, 236,  
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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