

Converting Colors

XYZ(39.4752, 65.4394, 85.2054)

Have a look what the booklet for
XYZ(39.4752, 65.4394, 85.2054)
contains.

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Color

**XYZ(45.7382, 68.6238,
85.6980)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|-------------------------------|
| Hex | 00F1E6 |
| RGB | 0, 241, 230 |
| RGB Percent | 0%, 95%, 90% |
| CMY | 0.9998, 0.0549, 0.0980 |
| CMYK | 1.00, 0.00, 0.05, 0.05 |
| HSL | 177°, 100%, 47% |
| HSV | 177°, 100%, 95% |
| XYZ | 45.7382, 68.6238, 85.6980 |
| YIQ | 167.6870, -140.1050, -54.5130 |

Conversions

Conversions Part 2

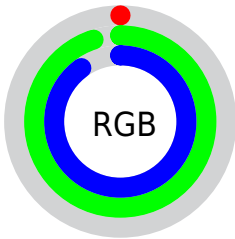
| Format | Color |
|-------------------------------------|---------------------------------|
| RYB | 0, 123, 241 |
| Decimal | 61926 |
| CIELab | 86.32, -49.21, -8.25 |
| CIELCh | 86, 49.893, 189.516 |
| Yxy | 68.6238, 0.2286, 0.3430 |
| Android (android.graphics.Color) | 4278252006 (0xFF00F1E6) |
| YUV | 167.6870, 30.7203, -147.0615 |
| Hunter-Lab | 82.8395, -46.4138, -3.3483 |

Details

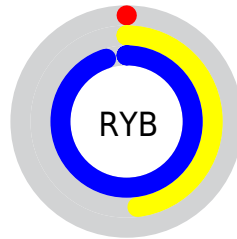
The XYZ color **45.7382, 68.6238, 85.6980** is a light color, and the websafe version is hex **00FFFF**. The color can be described as light saturated cyan. A complement of this color would be **36.3382, 18.7269, 2.0178**, and the grayscale version is **36.9785, 38.9042, 42.3667**.

A 20% lighter version of the original color is **61.0125, 82.4530, 107.3071**, and **24.8784, 37.3761, 46.4605** is the 20% darker color. If you saturate the color by 10%, you get **45.7392, 68.6259, 85.6977**, and if you desaturate by 10%, it is **46.2750, 68.8841, 86.5340**.

Distribution



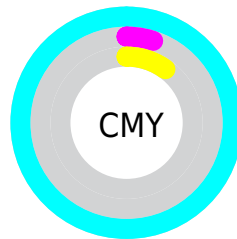
- Red (0%)
- Green (95%)
- Blue (90%)



- Red (0%)
- Yellow (48%)
- Blue (95%)



- Cyan (100%)
- Magenta (0%)
- Yellow (5%)
- Black (5%)





- Cyan (100%)
- Magenta (5%)
- Yellow (10%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.7382, 68.6238, 85.6980 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 45.7382, 68.6238, 85.6980 by changing the saturation by 10% instead.


 45.7382, 68.6238,
85.6980


 45.7382, 68.6238,
85.6980


360.4887,
455.7030, 534.1396


 32.2430, 50.4054,
63.8648


 83.0573, 117.2441,
143.2308


 21.7036, 35.7356,
46.0957


 107.6120,
148.4148, 179.7675


 13.7547, 24.2301,
31.9721

 136.5838,
184.6716, 222.0424

 8.0308, 15.5044,
21.0756

 170.3383,
226.3991, 270.4741

 4.1666, 9.1741,
12.9875

 209.2406,
273.9816, 325.4811

 1.7968, 4.8549,
7.2893

253.6562,

 0.5158, 2.1624,

327.8035, 387.4820

3.5625

303.9505,
388.2492, 456.8953

■ 0.0000, 0.6994,
1.3885

■ 0.0000, 0.0000,
0.1328

■ 45.7382, 68.6238,
85.6980

■ 45.7382, 68.6238,
85.6980

■ 45.7392, 68.6259,
85.6977

■ 46.2750, 68.8841,
86.5340

■ 47.2817, 69.3851,
87.3956

■ 48.9068, 70.2047,
88.2912

■ 51.2378, 71.3881,
89.2250

■ 54.3480, 72.9731,
90.2003

■ 58.3015, 74.9928,
91.2203

■ 63.1560, 77.4767,
92.2876

■ 68.9638, 80.4521,
93.4046

■ 75.7735, 83.9438,
94.5737

Harmonies

Analogous

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



46.6081, 68.6238, 54.6571



45.7382, 68.6238, 85.6980



49.5947, 68.6238, 122.7534

Triad

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



45.7382, 68.6238, 85.6980



80.3483, 68.6238, 135.0745



73.2823, 68.6238, 29.6759

Complementary

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



45.7382, 68.6238, 85.6980



36.3382, 18.7269, 2.0178

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.



83.8358, 68.6238, 41.2045



45.7382, 68.6238, 85.6980



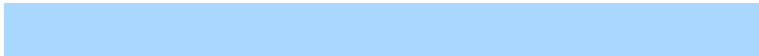
88.2369, 68.6238, 99.1739

Square

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



45.7382, 68.6238, 85.6980



68.9533, 68.6238, 156.3063



89.5832, 68.6238, 64.7214



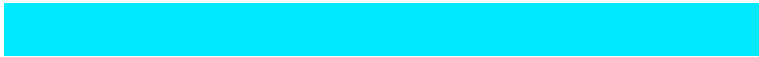
61.6333, 68.6238, 28.0133

Rectangle

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



45.7382, 68.6238, 85.6980



54.6271, 68.6238, 143.7510



89.5832, 68.6238, 64.7214



77.1116, 68.6238, 32.3198

Sweetspot

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



45.7402, 68.6264, 85.6996



71.7277, 88.0413, 104.8996



31.6097, 62.9918, 10.4942



14.8267, 18.5752, 22.3416



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.



45.7402, 68.6264, 85.6996



51.9916, 78.0126, 97.3943



24.2081, 23.0109, 86.3876



16.2144, 17.9158, 20.1517



24.8167, 37.2187, 46.5451



2.0741, 3.1001, 3.9225

Inverse Universe

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



36.3382, 18.7269, 2.0178



41.3042, 21.2857, 2.2681



41.6907, 29.5286, 3.5038



15.8020, 15.7705, 16.5138



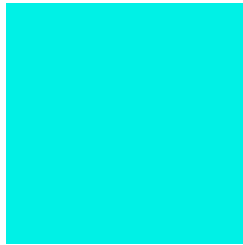
19.7174, 10.1594, 1.1625



1.6505, 0.8493, 0.1505

Previews

White Background



This preview shows how the XYZ color 45.7382, 68.6238, 85.6980 looks on a white background.

Color Contrast Check

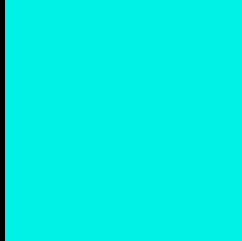
Large Text (above 18pt) WCAG AA × Fail

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 45.7382, 68.6238, 85.6980 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

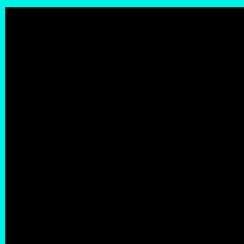
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

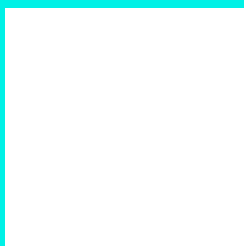
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 45.7382, 68.6238, 85.6980

Background



This preview shows how black text looks on a background with the XYZ color 45.7382, 68.6238, 85.6980.



This preview shows how white text looks on a background with the XYZ color 45.7382, 68.6238,

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

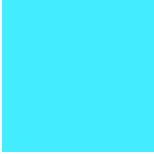
45.7382, 68.6238, 85.6980

Protanopia

64.7179, 67.2980, 72.5296

Deuteranopia

68.5824, 67.0735, 89.4526



Tritanopia

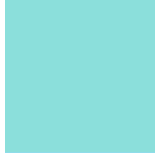
50.4293, 68.4398, 105.1600

Trichromacy



Original Color

45.7382, 68.6238, 85.6980



Protanomaly

49.8213, 63.3788, 76.6253



Deuteranomaly

51.7722, 62.9666, 87.2670



Tritanomaly

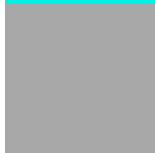
48.2053, 68.3165, 97.8345

Monochromacy



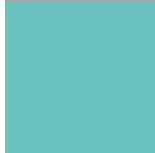
Original Color

45.7382, 68.6238, 85.6980



Achromatopsia

37.2190, 39.1572, 42.6422



Achromatomaly

34.9825, 45.9176, 56.3094

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.7382, 68.6238, 85.6980 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, 241, 230)` looks like.

```
.text, #text, p{  
    color:rgb(0, 241, 230)  
}
```

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, 241, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 241, 230) }
```

Border

The CSS property to change the border of an element to XYZ 45.7382, 68.6238, 85.6980 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, 241, 230) }
```


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

```
.border{ border-color:rgb(0, 241, 230) }
```

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

Here you see how a box with a 4 pixel rgb(0, 241, 230) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 241, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 241, 230);  
box-shadow:4px 4px 4px 4px rgb(0, 241,  
230) }
```

Background

The CSS property to change the background color of an element to XYZ 45.7382, 68.6238, 85.6980 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 241, 230) }
```

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

```
.background{ background-color: rgb(0, 241,  
230) }
```

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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