

Converting Colors

XYZ(46.2042, 68.6881, 84.5304)

Have a look what the booklet for
XYZ(46.2042, 68.6881, 84.5304)
contains.

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Color

**XYZ(46.2956, 68.9434,
84.2662)**

Conversions

Conversions Part 1

Format	Color
Hex	27F1E4
RGB	39, 241, 228
RGB Percent	15%, 95%, 89%
CMY	0.8470, 0.0549, 0.1059
CMYK	0.84, 0.00, 0.05, 0.05
HSL	176°, 88%, 55%
HSV	176°, 84%, 95%
XYZ	46.2956, 68.9434, 84.2662
YIQ	179.1200, -116.2190, -46.8670

Conversions

Conversions Part 2

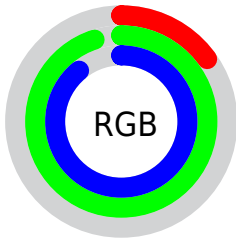
Format	Color
R_{YB}	39, 143, 241
Decimal	2617828
CIE _{Lab}	86.48, -48.30, -6.94
CIE _{LCh}	86, 48.801, 188.176
Yxy	68.9434, 0.2321, 0.3456
Android (android.graphics.Color)	4280807908 (0xFF27F1E4)
YUV	179.1200, 24.0978, -122.8852
Hunter-Lab	83.0322, -45.7814, -2.0487

Details

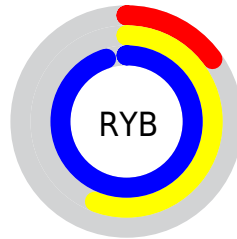
The XYZ color **46.2956, 68.9434, 84.2662** is a light color, and the websafe version is hex **00FFFF**. The color can be described as light washed cyan. A complement of this color would be **37.6233, 20.4018, 5.2063**, and the grayscale version is **42.8355, 45.0663, 49.0772**.

A 20% lighter version of the original color is **62.2674, 83.1000, 107.3658**, and **24.6833, 37.2981, 45.4335** is the 20% darker color. If you saturate the color by 10%, you get **45.4414, 68.5294, 83.1085**, and if you desaturate by 10%, it is **47.7341, 69.6616, 85.4645**.

Distribution



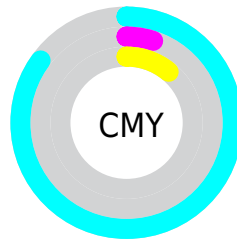
- Red (15%)
- Green (95%)
- Blue (89%)



- Red (15%)
- Yellow (56%)
- Blue (95%)



- Cyan (84%)
- Magenta (0%)
- Yellow (5%)
- Black (5%)





- Cyan (85%)
- Magenta (5%)
- Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.2956, 68.9434, 84.2662 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 46.2956, 68.9434, 84.2662 by changing the saturation by 10% instead.


 46.2956, 68.9434,
84.2662


 46.2956, 68.9434,
84.2662


362.6918,
456.8313, 529.2779


 32.6848, 50.6656,
62.6886


 83.8864, 117.7007,
141.2125


 22.0431, 35.9426,
45.1499


 108.5970,
148.9491, 177.4183

 14.0054, 24.3898,
31.2317

 137.7383,
185.2897, 219.3373

 8.2061, 15.6231,
20.5154

 171.6756,
227.1071, 267.3879

 4.2800, 9.2578,
12.5825

210.7742,
274.7855, 321.9887

 1.8618, 4.9097,
7.0143

255.3996,

 0.5545, 2.1944,

328.7094, 383.5583

3.3925

305.9170,
389.2632, 452.5152

■ 0.0000, 0.7169,
1.2984

■ 0.0000, 0.0000,
0.0605

■ 46.2956, 68.9434,
84.2662

■ 46.2956, 68.9434,
84.2662

■ 45.4414, 68.5294,
83.1085

■ 47.7341, 69.6616,
85.4645

■ 45.1140, 68.3758,
82.4053

■ 49.8460, 70.7250,
86.7028

■ 52.7111, 72.1766,
87.9866

■ 56.3969, 74.0510,
89.3189

60.9632, 76.3792,
90.7026

66.4643, 79.1889,
92.1403

72.9501, 82.5061,
93.6343

80.4669, 86.3546,
95.1869

88.7180, 90.5814,
96.7841

Harmonies

Analogous

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



47.3633, 68.9434, 54.2371



46.2956, 68.9434, 84.2662



49.8949, 68.9434, 120.4507

Triad

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



46.2956, 68.9434, 84.2662



79.8905, 68.9434, 135.3508



73.9389, 68.9434, 30.8641

Complementary

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



46.2956, 68.9434, 84.2662



37.6233, 20.4018, 5.2063

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.



84.1281, 68.9434, 42.8114



46.2956, 68.9434, 84.2662



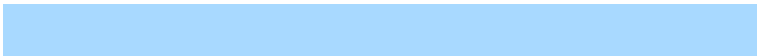
87.8299, 68.9434, 100.6468

Square

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



46.2956, 68.9434, 84.2662



68.6664, 68.9434, 155.0043



89.4637, 68.9434, 66.5641



62.4880, 68.9434, 28.7969

Rectangle

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



46.2956, 68.9434, 84.2662



54.7303, 68.9434, 141.2929



89.4637, 68.9434, 66.5641



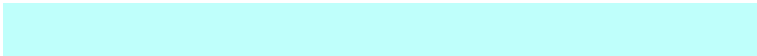
77.6614, 68.9434, 33.6492

Sweetspot

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



46.2976, 68.9460, 84.2678



74.7050, 89.5873, 104.5359



33.2642, 63.8024, 12.4830



15.5021, 18.9261, 22.2508



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.



46.2976, 68.9460, 84.2678



51.2788, 77.7275, 93.6409



28.1846, 29.7217, 87.4733



16.2009, 17.9104, 20.0807



24.4829, 37.0852, 44.7876



2.0499, 3.0904, 3.7953

Inverse Universe

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



37.6233, 20.4018, 5.2063



41.3367, 21.2987, 2.4390



44.1742, 33.9097, 6.1381



15.8141, 15.7753, 16.5771



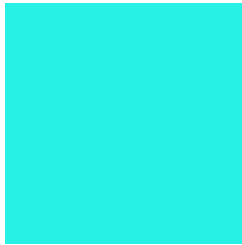
19.7367, 10.1671, 1.2642



1.6563, 0.8516, 0.1808

Previews

White Background



This preview shows how the XYZ color 46.2956, 68.9434, 84.2662 looks on a white background.

Color Contrast Check

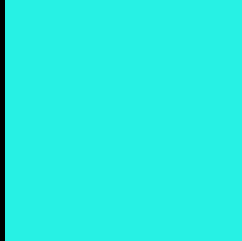
Large Text (above 18pt) WCAG AA × Fail

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 46.2956, 68.9434, 84.2662 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

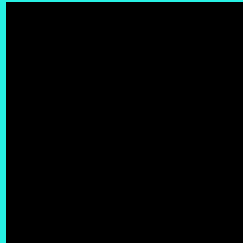
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

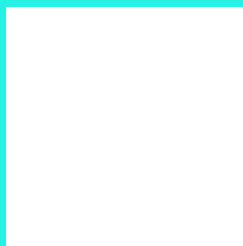
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 46.2956, 68.9434, 84.2662

Background



This preview shows how black text looks on a background with the XYZ color 46.2956, 68.9434, 84.2662.

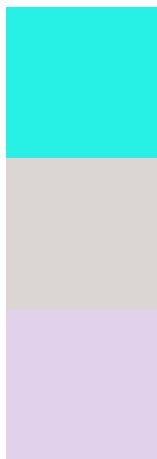


This preview shows how white text looks on a background with the XYZ color 46.2956, 68.9434,

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

46.2956, 68.9434, 84.2662

Protanopia

64.8913, 67.4020, 71.8771

Deuteranopia

69.1599, 67.7678, 88.0326



Tritanopia

50.9471, 68.7068, 105.1843

Trichromacy



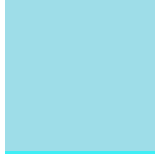
Original Color

46.2956, 68.9434, 84.2662



Protanomaly

52.3690, 64.7073, 76.0593



Deuteranomaly

54.5225, 64.8082, 85.9795



Tritanomaly

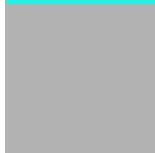
49.0426, 68.7658, 97.0745

Monochromacy



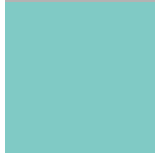
Original Color

46.2956, 68.9434, 84.2662



Achromatopsia

42.8472, 45.0786, 49.0906



Achromatomaly

40.1007, 50.8615, 60.5270

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.2956, 68.9434, 84.2662 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(39, 241, 228)` looks like.

```
.text, #text, p{  
    color:rgb(39, 241, 228)  
}
```

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(39, 241, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(39, 241, 228) }
```

Border

The CSS property to change the border of an element to XYZ 46.2956, 68.9434, 84.2662 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(39, 241, 228) }
```


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

```
.border{ border-color:rgb(39, 241, 228) }
```

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

Here you see how a box with a 4 pixel `rgb(39, 241, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(39, 241, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(39, 241, 228);  
box-shadow:4px 4px 4px 4px rgb(39, 241,  
228) }
```

Background

The CSS property to change the background color of an element to XYZ 46.2956, 68.9434, 84.2662 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(39, 241, 228) }
```

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

```
.background{ background-color: rgb(39, 241,  
228) }
```

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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