

Converting Colors

XYZ(47.0809, 67.8404, 96.8393)

Have a look what the booklet for
XYZ(47.0809, 67.8404, 96.8393)
contains.

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Color

**XYZ(47.0560, 67.7416,
96.9815)**

Conversions

Conversions Part 1

Format	Color
Hex	00EEF5
RGB	0, 238, 245
RGB Percent	0%, 93%, 96%
CMY	0.9997, 0.0667, 0.0392
CMYK	1.00, 0.03, 0.00, 0.04
HSL	182°, 100%, 48%
HSV	182°, 100%, 96%
XYZ	47.0560, 67.7416, 96.9815
YIQ	167.6360, -144.0950, -48.2790

Conversions

Conversions Part 2

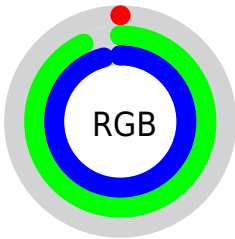
Format	Color
RYB	0, 121, 245
Decimal	61173
CIELab	85.88, -43.58, -16.78
CIELCh	86, 46.699, 201.058
Yxy	67.7416, 0.2222, 0.3199
Android (android.graphics.Color)	4278251253 (0xFF00EEF5)
YUV	167.6360, 38.1405, -147.0168
Hunter-Lab	82.3053, -41.9813, -12.2486

Details

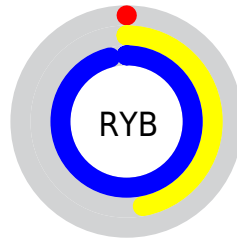
The XYZ color **47.0560, 67.7416, 96.9815** is a light color, and the websafe version is hex **33FFFF**. The color can be described as light saturated cyan. A complement of this color would be **37.7339, 19.5665, 1.7901**, and the grayscale version is **36.9227, 38.8456, 42.3028**.

A 20% lighter version of the original color is **61.1461, 82.5219, 107.3133**, and **25.7092, 36.7219, 53.8771** is the 20% darker color. If you saturate the color by 10%, you get **47.0565, 67.7423, 96.9829**, and if you desaturate by 10%, it is **47.6519, 68.3534, 97.0694**.

Distribution



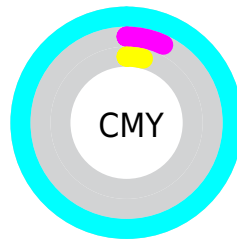
- Red (0%)
- Green (93%)
- Blue (96%)



- Red (0%)
- Yellow (47%)
- Blue (96%)



- Cyan (100%)
- Magenta (3%)
- Yellow (0%)
- Black (4%)



- Cyan (100%)
- Magenta (7%)
- Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 47.0560, 67.7416, 96.9815 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 47.0560, 67.7416, 96.9815 by changing the saturation by 10% instead.

47.0560, 67.7416,
96.9815

47.0560, 67.7416,
96.9815

365.6832,
452.5799, 571.6349

33.2881, 49.6875,
73.1793

85.0154, 115.9824,
159.0183

22.5075, 35.1652,
53.6299

109.9377,
146.9379, 198.0901

14.3490, 23.7902,
37.9147

139.3087,
182.9628, 243.0887

8.4471, 15.1780,
25.6152

173.4938,
224.4413, 294.4329

4.4365, 8.9444,
16.3128

212.8585,
271.7578, 352.5410

1.9519, 4.7050,
9.5890

257.7681,

0.6068, 2.0752,

325.2969, 417.8317

5.0253

308.5878,
385.4428, 490.7235

■ 0.0000, 0.6506,
2.2031

■ 0.0000, 0.0000,
0.6762

■ 47.0560, 67.7416,
96.9815

■ 47.0560, 67.7416,
96.9815

■ 47.0565, 67.7423,
96.9829

■ 47.6519, 68.3534,
97.0694

■ 48.7367, 69.2170,
97.1790

■ 50.4637, 70.4128,
97.3188

■ 52.9241, 71.9879,
97.4931

■ 56.1942, 73.9816,
97.7056

■ 60.3409, 76.4283,
97.9593

■ 65.4240, 79.3590,
98.2571

■ 71.4983, 82.8019,
98.6014

■ 78.6141, 86.7829,
98.9948

Harmonies

Analogous

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



46.1513, 67.7416, 64.9878



47.0560, 67.7416, 96.9815



52.3190, 67.7416, 129.6306

Triad

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



47.0560, 67.7416, 96.9815



81.7215, 67.7416, 117.2587



67.6322, 67.7416, 29.5708

Complementary

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



47.0560, 67.7416, 96.9815



37.7339, 19.5665, 1.7901

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.



78.1797, 67.7416, 36.8116



47.0560, 67.7416, 96.9815



86.8849, 67.7416, 83.2861

Square

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



47.0560, 67.7416, 96.9815



72.0530, 67.7416, 143.4085



85.5217, 67.7416, 54.5755



57.2838, 67.7416, 31.3529

Rectangle

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



47.0560, 67.7416, 96.9815



57.9459, 67.7416, 144.5694



85.5217, 67.7416, 54.5755



71.2872, 67.7416, 30.9346

Sweetspot

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



47.0581, 67.7441, 96.9831



71.5917, 86.8775, 107.6035



32.6766, 65.3154, 11.0043



14.7934, 18.2913, 23.0008



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.



47.0581, 67.7441, 96.9831



51.5295, 74.1789, 106.2098



23.0150, 19.6579, 88.9688



16.9537, 18.6718, 21.2530



25.3684, 36.5306, 52.2521



2.2422, 3.2358, 4.5966

Inverse Universe

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



53.0906, 25.5876, 83.0321



58.1389, 28.0196, 90.9184



45.1977, 34.4939, 4.2780



17.1920, 16.7596, 20.7575



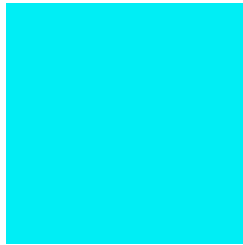
28.6093, 13.7872, 44.7785



2.5208, 1.2143, 3.9690

Previews

White Background



This preview shows how the XYZ color 47.0560, 67.7416, 96.9815 looks on a white background.

Color Contrast Check

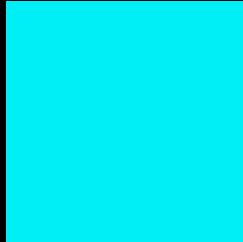
Large Text (above 18pt) WCAG AA × Fail

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 47.0560, 67.7416, 96.9815 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

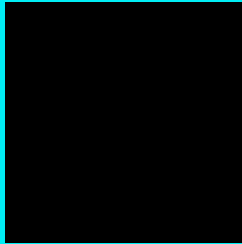
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

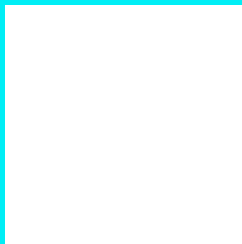
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 47.0560, 67.7416, 96.9815

Background



This preview shows how black text looks on a background with the XYZ color 47.0560, 67.7416, 96.9815.

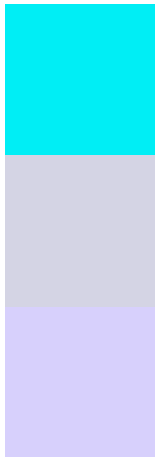


This preview shows how white text looks on a background with the XYZ color 47.0560, 67.7416,

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

47.0560, 67.7416, 96.9815

Protanopia

64.6985, 66.6855, 82.8604

Deuteranopia

68.1509, 66.5871, 101.3561



Tritanopia

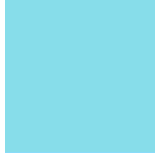
49.1722, 67.7917, 105.1012

Trichromacy



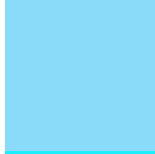
Original Color

47.0560, 67.7416, 96.9815



Protanomaly

50.6994, 62.8043, 87.2922



Deuteranomaly

52.7469, 62.8210, 98.9681



Tritanomaly

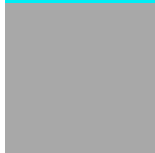
48.2035, 67.7946, 101.8119

Monochromacy



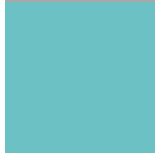
Original Color

47.0560, 67.7416, 96.9815



Achromatopsia

37.2190, 39.1572, 42.6422



Achromatomaly

35.0972, 45.2513, 59.1091

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.0560, 67.7416, 96.9815 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, 238, 245)` looks like.

```
.text, #text, p{  
    color:rgb(0, 238, 245)  
}
```

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, 238, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 238, 245) }
```

Border

The CSS property to change the border of an element to XYZ 47.0560, 67.7416, 96.9815 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, 238, 245) }
```


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

```
.border{ border-color:rgb(0, 238, 245) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 238, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 238, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 238, 245);  
box-shadow:4px 4px 4px 4px rgb(0, 238,  
245) }
```

Background

The CSS property to change the background color of an element to XYZ 47.0560, 67.7416, 96.9815 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 238, 245) }
```

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

```
.background{ background-color: rgb(0, 238,  
245) }
```

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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