

Converting Colors

XYZ(46.6940, 65.1605,
102.5860)

Have a look what the booklet for
XYZ(46.6940, 65.1605, 102.5860)
contains.

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Color

**XYZ(46.7096, 65.3061,
102.2389)**

Conversions

Conversions Part 1

Format	Color
Hex	00E9FC
RGB	0, 233, 252
RGB Percent	0%, 91%, 99%
CMY	0.9997, 0.0863, 0.0118
CMYK	1.00, 0.08, 0.00, 0.01
HSL	185°, 100%, 49%
HSV	185°, 100%, 99%
XYZ	46.7096, 65.3061, 102.2389
YIQ	165.4990, -144.9670, -43.4870

Conversions

Conversions Part 2

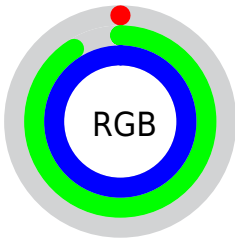
Format	Color
RYB	0, 121, 252
Decimal	59900
CIELab	84.64, -39.23, -22.33
CIELCh	85, 45.136, 209.648
Yxy	65.3061, 0.2180, 0.3048
Android (android.graphics.Color)	4278249980 (0xFF00E9FC)
YUV	165.4990, 42.6450, -145.1426
Hunter-Lab	80.8122, -38.2480, -18.4417

Details

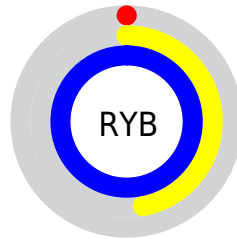
The XYZ color **46.7096, 65.3061, 102.2389** is a light color, and the websafe version is hex **66FFFF**. The color can be described as light saturated cyan. A complement of this color would be **40.3799, 21.1641, 1.9590**, and the grayscale version is **35.8667, 37.7345, 41.0929**.

A 20% lighter version of the original color is **61.2812, 82.5916, 107.3196**, and **25.5725, 35.3844, 57.1118** is the 20% darker color. If you saturate the color by 10%, you get **46.7091, 65.3048, 102.2399**, and if you desaturate by 10%, it is **47.6594, 66.6000, 102.4398**.

Distribution



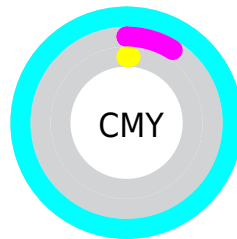
- Red (0%)
- Green (91%)
- Blue (99%)



- Red (0%)
- Yellow (47%)
- Blue (99%)



- Cyan (100%)
- Magenta (8%)
- Yellow (0%)
- Black (1%)





- Cyan (100%)
- Magenta (9%)
- Yellow (1%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.7096, 65.3061, 102.2389 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 46.7096, 65.3061, 102.2389 by changing the saturation by 10% instead.


 46.7096, 65.3061,
102.2389

 46.7096, 65.3061,
102.2389


364.3225,
443.8911, 588.6551


 33.0131, 47.7093,
77.5444


 84.5014, 112.4898,
166.3092


 22.2958, 33.5968,
57.1855

 109.3274,
142.8456, 206.5220


 14.1922, 22.5840,
40.7439

 138.5939,
178.2231, 252.7448

 8.3371, 14.2866,
27.8008

 172.6664,
219.0068, 305.3959

 4.3650, 8.3203,
17.9378

 211.9101,
265.5810, 364.8939

 1.9106, 4.3006,
10.7364

256.6905,

 0.5830, 1.8431,

318.3302, 431.6574

5.7779

307.3728,
377.6388, 506.1050

■ 0.0000, 0.5138,
2.6439

■ 0.0000, 0.0000,
0.9150

■ 46.7096, 65.3061,
102.2389

■ 46.7096, 65.3061,
102.2389

■ 46.7091, 65.3048,
102.2399

■ 47.6594, 66.6000,
102.4398

■ 49.1373, 68.1735,
102.6657

■ 51.3057, 70.1116,
102.9255

■ 54.2622, 72.4647,
103.2238

■ 58.0890, 75.2751,
103.5646

■ 62.8575, 78.5798,
103.9511

■ 68.6321, 82.4119,
104.3864

■ 75.4714, 86.8015,
104.8733

■ 83.4292, 91.7767,
105.4141

Harmonies

Analogous

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



44.6427, 65.3061, 70.7665



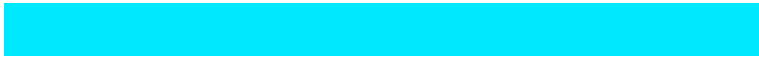
46.7096, 65.3061, 102.2389



52.7866, 65.3061, 130.5429

Triad

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



46.7096, 65.3061, 102.2389



80.3371, 65.3061, 102.9939



62.1907, 65.3061, 28.8011

Complementary

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



46.7096, 65.3061, 102.2389



40.3799, 21.1641, 1.9590

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.



72.3859, 65.3061, 33.1679



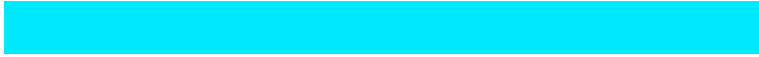
46.7096, 65.3061, 102.2389



83.5320, 65.3061, 71.4491

Square

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



46.7096, 65.3061, 102.2389



72.1574, 65.3061, 131.0553



80.4787, 65.3061, 47.0392



52.9721, 65.3061, 32.9630

Rectangle

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



46.7096, 65.3061, 102.2389



58.6544, 65.3061, 140.8519



80.4787, 65.3061, 47.0392



65.6188, 65.3061, 29.2978

Sweetspot

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



46.7117, 65.3085, 102.2405



70.4722, 84.6385, 107.2303



34.9120, 69.6623, 12.1311



14.5209, 17.7463, 22.9100



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.



46.7117, 65.3085, 102.2405



47.9793, 67.0785, 105.0264



23.0665, 18.0181, 94.3588



17.6472, 19.3713, 22.1942



24.3797, 34.1150, 53.2735



2.2904, 3.2244, 4.9448

Inverse Universe

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



54.8547, 26.5807, 79.3326



56.3469, 27.3028, 81.4819



49.9433, 40.2908, 5.1468



17.9332, 17.5007, 21.5041



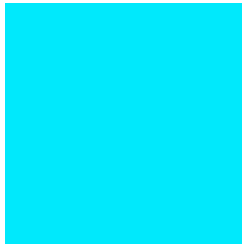
28.5978, 13.8548, 41.4519



2.6650, 1.2897, 3.9253

Previews

White Background



This preview shows how the XYZ color 46.7096, 65.3061, 102.2389 looks on a white background.

Color Contrast Check

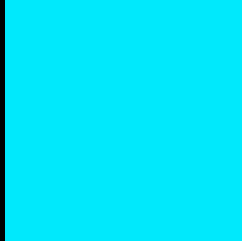
Large Text (above 18pt) WCAG AA × Fail

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 46.7096, 65.3061, 102.2389 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

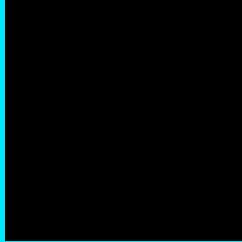
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 46.7096, 65.3061, 102.2389

Background



This preview shows how black text looks on a background with the XYZ color 46.7096, 65.3061, 102.2389.

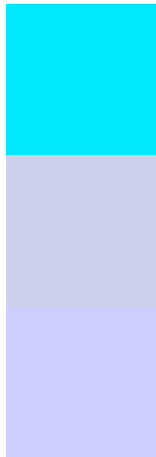


This preview shows how white text looks on a background with the XYZ color 46.7096, 65.3061,

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

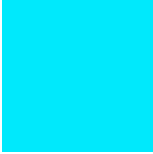
46.7096, 65.3061, 102.2389

Protanopia

62.7281, 64.0890, 87.6616

Deuteranopia

65.3349, 64.0045, 103.5183



Tritanopia

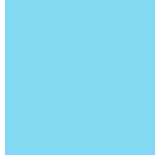
46.7096, 65.3061, 102.2389

Trichromacy



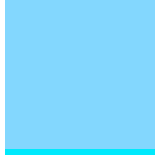
Original Color

46.7096, 65.3061, 102.2389



Protanomaly

49.8960, 60.7224, 92.3099



Deuteranomaly

51.5499, 60.5819, 102.7424



Tritanomaly

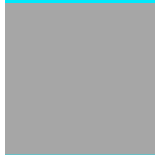
46.7096, 65.3061, 102.2389

Monochromacy



Original Color

46.7096, 65.3061, 102.2389



Achromatopsia

36.2450, 38.1326, 41.5264



Achromatomaly

34.4354, 43.9223, 59.4862

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.7096, 65.3061, 102.2389 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, 233, 252)` looks like.

```
.text, #text, p{  
    color:rgb(0, 233, 252)  
}
```

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, 233, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 233, 252) }
```

Border

The CSS property to change the border of an element to XYZ 46.7096, 65.3061, 102.2389 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, 233, 252) }
```


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

```
.border{ border-color:rgb(0, 233, 252) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 233, 252)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 233, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 233, 252);  
box-shadow:4px 4px 4px 4px rgb(0, 233,  
252) }
```

Background

The CSS property to change the background color of an element to XYZ 46.7096, 65.3061, 102.2389 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 233, 252) }
```

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

```
.background{ background-color: rgb(0, 233,  
252) }
```

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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