

Converting Colors

XYZ(48.6423, 69.7013,
101.2503)

Have a look what the booklet for
XYZ(48.6423, 69.7013, 101.2503)
contains.

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Color

**XYZ(48.7106, 69.8127,
101.3504)**

Conversions

Conversions Part 1

Format	Color
Hex	00F1FA
RGB	0, 241, 250
RGB Percent	0%, 95%, 98%
CMY	0.9997, 0.0549, 0.0196
CMYK	1.00, 0.04, 0.00, 0.02
HSL	182°, 100%, 49%
HSV	182°, 100%, 98%
XYZ	48.7106, 69.8127, 101.3504
YIQ	169.9670, -146.5250, -48.2930

Conversions

Conversions Part 2

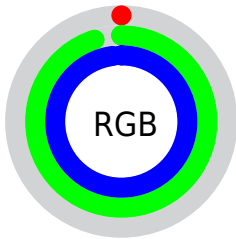
Format	Color
RYB	0, 123, 250
Decimal	61946
CIELab	86.90, -43.43, -17.86
CIELCh	87, 46.955, 202.349
Yxy	69.8127, 0.2215, 0.3175
Android (android.graphics.Color)	4278252026 (0xFF00F1FA)
YUV	169.9670, 39.4563, -149.0611
Hunter-Lab	83.5540, -42.1569, -13.4306

Details

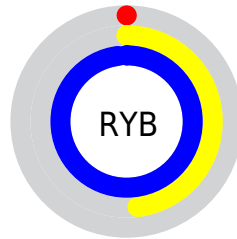
The XYZ color **48.7106, 69.8127, 101.3504** is a light color, and the websafe version is hex **33FFFF**. The color can be described as light saturated cyan. A complement of this color would be **39.5238, 20.5213, 1.8799**, and the grayscale version is **38.0655, 40.0478, 43.6121**.

A 20% lighter version of the original color is **61.4177, 82.6619, 107.3260**, and **26.8781, 38.1760, 56.9910** is the 20% darker color. If you saturate the color by 10%, you get **48.7111, 69.8133, 101.3518**, and if you desaturate by 10%, it is **49.3816, 70.5566, 101.4599**.

Distribution



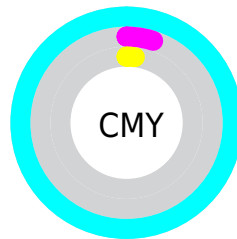
- Red (0%)
- Green (95%)
- Blue (98%)



- Red (0%)
- Yellow (48%)
- Blue (98%)



- Cyan (100%)
- Magenta (4%)
- Yellow (0%)
- Black (2%)





- Cyan (100%)
- Magenta (5%)
- Yellow (2%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.7106, 69.8127, 101.3504 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 48.7106, 69.8127, 101.3504 by changing the saturation by 10% instead.

 48.7106, 69.8127,
101.3504


 48.7106, 69.8127,
101.3504


372.1378,
459.8921, 585.7972


 34.6036, 51.3739,
76.8056


 87.4648, 118.9416,
165.0797


 23.5227, 36.5062,
56.5828


 112.8426,
150.4005, 205.1014

 15.1028, 24.8254,
40.2632


 142.7081,
186.9681, 251.1191

 8.9783, 15.9470,
27.4285

 177.4266,
229.0290, 303.5514

 4.7840, 9.4867,
17.6600

217.3635,
276.9674, 362.8168

 2.1546, 5.0600,
10.5393

262.8841,

 0.7186, 2.2825,

331.1678, 429.3339

5.6477

314.3537,
392.0146, 503.5211

■ 0.0000, 0.7644,
2.5668

■ 0.0000, 0.0000,
0.8752

■ 48.7106, 69.8127,
101.3504

■ 48.7106, 69.8127,
101.3504

■ 48.7111, 69.8133,
101.3518

■ 49.3816, 70.5566,
101.4599

■ 50.5663, 71.5658,
101.5923

■ 52.4245, 72.9241,
101.7565

■ 55.0518, 74.6810,
101.9572

■ 58.5287, 76.8777,
102.1979

■ 62.9254, 79.5507,
102.4821

■ 68.3049, 82.7322,
102.8127

■ 74.7247, 86.4520,
103.1923

■ 82.2376, 90.7373,
103.6235

Harmonies

Analogous

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



47.5839, 69.8127, 68.2592



48.7106, 69.8127, 101.3504



54.2969, 69.8127, 134.5101

Triad

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



48.7106, 69.8127, 101.3504



84.4772, 69.8127, 119.1609



69.2001, 69.8127, 30.5167

Complementary

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



48.7106, 69.8127, 101.3504



39.5238, 20.5213, 1.8799

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.



80.0777, 69.8127, 37.5435



48.7106, 69.8127, 101.3504



89.5085, 69.8127, 84.3353

Square

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



48.7106, 69.8127, 101.3504



74.6950, 69.8127, 146.6106



87.8157, 69.8127, 55.2970



58.6599, 69.8127, 32.7436

Rectangle

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



48.7106, 69.8127, 101.3504



60.1681, 69.8127, 149.2485



87.8157, 69.8127, 55.2970



72.9518, 69.8127, 31.7878

Sweetspot

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



48.7128, 69.8153, 101.3521



71.4127, 86.5195, 107.5438



34.2331, 68.3911, 11.6378



14.7498, 18.2041, 22.9863



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.



48.7128, 69.8153, 101.3521



50.9508, 73.0216, 106.0169



23.5835, 19.5568, 92.9757



17.7091, 19.4950, 22.2148



25.8615, 37.0786, 53.7674



2.4115, 3.4667, 4.9852

Inverse Universe

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



55.3034, 26.6769, 85.4561



57.8468, 27.9027, 89.3802



47.8633, 37.2004, 4.6598



17.9645, 17.5131, 21.6686



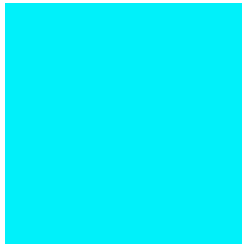
29.3457, 14.1540, 45.3905



2.7261, 1.3142, 4.2472

Previews

White Background



This preview shows how the XYZ color 48.7106, 69.8127, 101.3504 looks on a white background.

Color Contrast Check

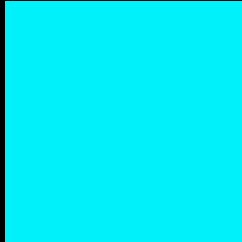
Large Text (above 18pt) WCAG AA × Fail

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 48.7106, 69.8127, 101.3504 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 48.7106, 69.8127, 101.3504

Background



This preview shows how black text looks on a background with the XYZ color 48.7106, 69.8127, 101.3504.

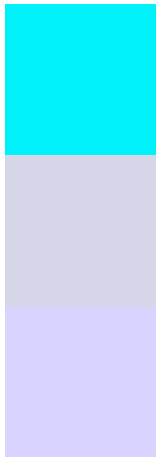


This preview shows how white text looks on a background with the XYZ color 48.7106, 69.8127,

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

48.7106, 69.8127, 101.3504

Protanopia

66.4861, 68.2725, 86.7645

Deuteranopia

69.9595, 68.5602, 104.1539



Tritanopia

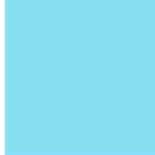
51.8139, 69.5822, 105.3076

Trichromacy



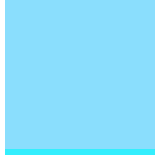
Original Color

48.7106, 69.8127, 101.3504



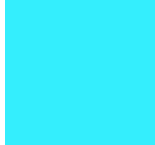
Protanomaly

52.3890, 64.7775, 91.4035



Deuteranomaly

54.3321, 64.7377, 102.5605



Tritanomaly

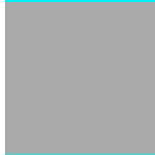
49.7203, 68.9710, 103.6207

Monochromacy



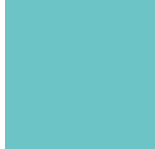
Original Color

48.7106, 69.8127, 101.3504



Achromatopsia

38.2080, 40.1978, 43.7754



Achromatomaly

36.2331, 46.7915, 61.1548

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.7106, 69.8127, 101.3504 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, 250)` looks like.

```
.text, #text, p{  
    color:rgb(0, 241, 250)  
}
```

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, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 241, 250) }
```

Border

The CSS property to change the border of an element to XYZ 48.7106, 69.8127, 101.3504 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, 250) }
```


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

```
.border{ border-color:rgb(0, 241, 250) }
```

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, 250) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 241, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 241, 250);  
box-shadow:4px 4px 4px 4px rgb(0, 241,  
250) }
```

Background

The CSS property to change the background color of an element to XYZ 48.7106, 69.8127, 101.3504 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, 250) }
```

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

```
.background{ background-color: rgb(0, 241,  
250) }
```

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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