

Converting Colors

XYZ(46.9817, 63.7787,
182.6223)

Have a look what the booklet for
XYZ(46.9817, 63.7787, 182.6223)
contains.

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Color

**XYZ(47.1889, 65.4978,
104.7630)**

Conversions

Conversions Part 1

Format	Color
Hex	00E9FF
RGB	0, 233, 255
RGB Percent	0%, 91%, 100%
CMY	0.9997, 0.0863, 0.0000
CMYK	1.00, 0.09, 0.00, 0.00
HSL	185°, 100%, 50%
HSV	185°, 100%, 100%
XYZ	47.1889, 65.4978, 104.7630
YIQ	165.8410, -145.9300, -42.5540

Conversions

Conversions Part 2

Format	Color
RYB	0, 122, 255
Decimal	59903
CIELab	84.74, -38.31, -23.76
CIELCh	85, 45.074, 211.806
Yxy	65.4978, 0.2170, 0.3012
Android (android.graphics.Color)	4278249983 (0xFF00E9FF)
YUV	165.8410, 43.9554, -145.4426
Hunter-Lab	80.9307, -37.5494, -20.0981

Details

The XYZ color **47.1889, 65.4978, 104.7630** 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 **41.5287, 21.8368, 2.0283**, and the grayscale version is **36.0254, 37.9015, 41.2747**.

A 20% lighter version of the original color is **61.2812, 82.5916, 107.3196**, and **25.9152, 35.5215, 58.9165** is the 20% darker color. If you saturate the color by 10%, you get **47.1879, 65.4959, 104.7626**, and if you desaturate by 10%, it is **48.2319, 66.9673, 104.9916**.

Distribution



- Red (0%)
- Green (91%)
- Blue (100%)



- Red (0%)
- Yellow (48%)
- Blue (100%)



- Cyan (100%)
- Magenta (9%)
- Yellow (0%)
- Black (0%)



- Cyan (100%)
- Magenta (9%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 47.1889, 65.4978, 104.7630 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 47.1889, 65.4978, 104.7630 by changing the saturation by 10% instead.

47.1889, 65.4978,
104.7630

47.1889, 65.4978,
104.7630

366.2044,
444.5787, 596.7343

33.3936, 47.8648,
79.6453

85.2125, 112.7652,
169.7961

22.5888, 33.7199,
58.9020

110.1716,
143.1685, 210.5486

14.4092, 22.6785,
42.1148

139.5826,
178.5973, 257.3498

8.4894, 14.3563,
28.8649

173.8109,
219.4361, 310.6181

4.4641, 8.3689,
18.7340

213.2219,
266.0693, 370.7722

1.9679, 4.3319,
11.3033

258.1809,

0.6158, 1.8609,

318.8811, 438.2306

6.1545

309.0533,
378.2561, 513.4118

■ 0.0000, 0.5247,
2.8690

■ 0.0000, 0.0000,
1.0281

■ 47.1889, 65.4978,
104.7630

■ 47.1889, 65.4978,
104.7630

■ 47.1879, 65.4959,
104.7626

■ 48.2319, 66.9673,
104.9916

■ 49.8203, 68.7282,
105.2478

■ 52.1201, 70.8675,
105.5395

■ 55.2320, 73.4371,
105.8715

■ 59.2405, 76.4806,
106.2477

■ 64.2194, 80.0361,
106.6715

■ 70.2347, 84.1377,
107.1462

■ 77.3468, 88.8164,
107.6744

■ 85.6113, 94.1011,
108.2589

Harmonies

Analogous

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



44.8176, 65.4978, 73.0799



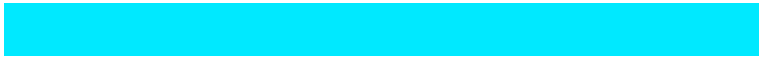
47.1889, 65.4978, 104.7630



53.5362, 65.4978, 132.2956

Triad

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



47.1889, 65.4978, 104.7630



80.9509, 65.4978, 100.8955



61.6448, 65.4978, 28.9715

Complementary

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



47.1889, 65.4978, 104.7630



41.5287, 21.8368, 2.0283

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.



71.8696, 65.4978, 32.7208



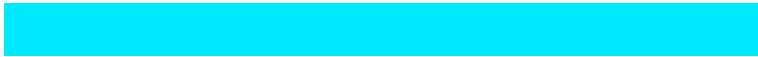
47.1889, 65.4978, 104.7630



83.7106, 65.4978, 69.5806

Square

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



47.1889, 65.4978, 104.7630



73.0404, 65.4978, 129.6716



80.2253, 65.4978, 45.8735



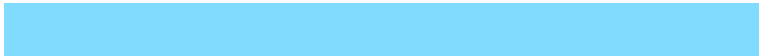
52.5850, 65.4978, 33.7726

Rectangle

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



47.1889, 65.4978, 104.7630



59.5312, 65.4978, 141.5952



80.2253, 65.4978, 45.8735



65.0579, 65.4978, 29.2683

Sweetspot

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



47.1907, 65.5001, 104.7633



70.2152, 84.1246, 107.1447



35.8993, 71.5758, 12.6485



14.4585, 17.6215, 22.8892



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.



47.1907, 65.5001, 104.7633



47.1879, 65.4959, 104.7626



23.2354, 17.5893, 96.7782



18.4129, 20.1975, 23.1780



24.7124, 34.3343, 54.7593



2.4440, 3.4186, 5.3443

Inverse Universe

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



55.9492, 27.1450, 79.3838



55.9475, 27.1430, 79.3786



51.9533, 42.6860, 5.5032



18.7211, 18.2717, 22.4143



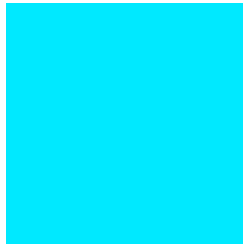
29.2619, 14.1940, 41.6249



2.8682, 1.3897, 4.1534

Previews

White Background



This preview shows how the XYZ color 47.1889, 65.4978, 104.7630 looks on a white background.

Color Contrast Check

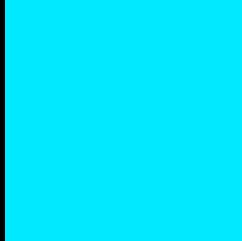
Large Text (above 18pt) WCAG AA × Fail

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 47.1889, 65.4978, 104.7630 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 47.1889, 65.4978, 104.7630

Background



This preview shows how black text looks on a background with the XYZ color 47.1889, 65.4978, 104.7630.

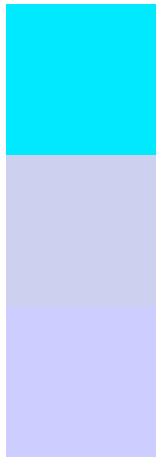


This preview shows how white text looks on a background with the XYZ color 47.1889, 65.4978,

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

47.1889, 65.4978, 104.7630

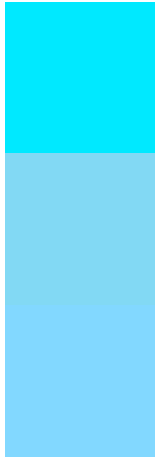
Protanopia

63.1653, 64.2639, 89.9639

Deuteranopia

65.2981, 64.3417, 103.5854

Trichromacy



Original Color

47.1889, 65.4978, 104.7630

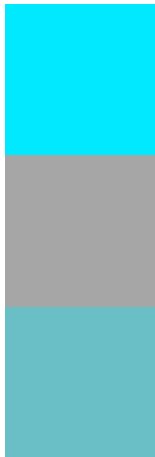
Protanomaly

50.3479, 60.9032, 94.6898

Deuteranomaly

51.8118, 61.0776, 103.6661

Monochromacy



Original Color

47.1889, 65.4978, 104.7630

Achromatopsia

36.2450, 38.1326, 41.5264

Achromatomaly

34.5504, 43.9683, 60.0918

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.1889, 65.4978, 104.7630 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, 255)` looks like.

```
.text, #text, p{  
    color:rgb(0, 233, 255)  
}
```

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, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 233, 255) }
```

Border

The CSS property to change the border of an element to XYZ 47.1889, 65.4978, 104.7630 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, 255) }
```

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

```
.border{ border-color:rgb(0, 233, 255) }
```

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, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 233, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 233, 255);  
box-shadow:4px 4px 4px 4px rgb(0, 233,  
255) }
```


Background

The CSS property to change the background color of an element to XYZ 47.1889, 65.4978, 104.7630 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, 255) }
```

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

```
.background{ background-color: rgb(0, 233,  
255) }
```

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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