

Converting Colors

XYZ(46.0461, 66.9984, 92.7097)

Have a look what the booklet for
XYZ(46.0461, 66.9984, 92.7097)
contains.

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Color

**XYZ(46.0124, 66.8596,
92.9182)**

Conversions

Conversions Part 1

Format	Color
Hex	00EDF0
RGB	0, 237, 240
RGB Percent	0%, 93%, 94%
CMY	0.9997, 0.0706, 0.0588
CMYK	1.00, 0.01, 0.00, 0.06
HSL	181°, 100%, 47%
HSV	181°, 100%, 94%
XYZ	46.0124, 66.8596, 92.9182
YIQ	166.4790, -142.2150, -49.3110

Conversions

Conversions Part 2

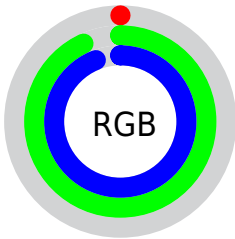
Format	Color
RYB	0, 119, 240
Decimal	60912
CIELab	85.43, -44.61, -14.82
CIELCh	85, 47.010, 198.376
Yxy	66.8596, 0.2236, 0.3249
Android (android.graphics.Color)	4278250992 (0xFF00EDF0)
YUV	166.4790, 36.2459, -146.0021
Hunter-Lab	81.7677, -42.6478, -10.1378

Details

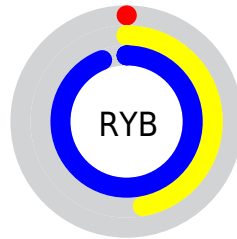
The XYZ color **46.0124, 66.8596, 92.9182** is a light color, and the websafe version is hex **33FFFF**. The color can be described as light saturated cyan. A complement of this color would be **35.9695, 18.5924, 1.6950**, and the grayscale version is **36.3678, 38.2617, 41.6670**.

A 20% lighter version of the original color is **61.1461, 82.5219, 107.3133**, and **24.9730, 36.1032, 50.9998** is the 20% darker color. If you saturate the color by 10%, you get **46.0133, 66.8611, 92.9197**, and if you desaturate by 10%, it is **46.4789, 67.2305, 92.9665**.

Distribution



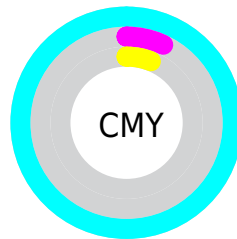
- Red (0%)
- Green (93%)
- Blue (94%)



- Red (0%)
- Yellow (47%)
- Blue (94%)



- Cyan (100%)
- Magenta (1%)
- Yellow (0%)
- Black (6%)



- Cyan (100%)
- Magenta (7%)
- Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.0124, 66.8596, 92.9182 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 46.0124, 66.8596, 92.9182 by changing the saturation by 10% instead.

46.0124, 66.8596,
92.9182

46.0124, 66.8596,
92.9182

361.5736,
449.4449, 558.2918

32.4603, 48.9705,
69.8162

83.4653, 114.7192,
153.3561

21.8706, 34.5961,
50.9009

108.0968,
145.4585, 191.5291

13.8779, 23.3519,
35.7535

137.1521,
181.2501, 235.5628

8.1169, 14.8536,
23.9557

170.9966,
222.4783, 285.8759

4.2223, 8.7167,
15.0889

209.9957,
269.5274, 342.8867

1.8286, 4.5569,
8.7345

254.5146,

0.5348, 1.9897,

322.7820, 407.0140

4.4740

304.9188,
382.6263, 478.6762

■ 0.0000, 0.6015,
1.8888

■ 0.0000, 0.0000,
0.4856

■ 46.0124, 66.8596,
92.9182

■ 46.0124, 66.8596,
92.9182

■ 46.0133, 66.8611,
92.9197

■ 46.4789, 67.2305,
92.9665

■ 47.4099, 67.8397,
93.0350

■ 48.9526, 68.7645,
93.1322

■ 51.1936, 70.0494,
93.2621

■ 54.2054, 71.7320,
93.4281

■ 58.0516, 73.8449,
93.6332

■ 62.7891, 76.4174,
93.8801

■ 68.4698, 79.4765,
94.1711

■ 75.1417, 83.0467,
94.5086

Harmonies

Analogous

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



45.5104, 66.8596, 61.5992



46.0124, 66.8596, 92.9182



50.8815, 66.8596, 126.0907

Triad

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



46.0124, 66.8596, 92.9182



80.1355, 66.8596, 119.1704



67.7684, 66.8596, 29.1080

Complementary

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



46.0124, 66.8596, 92.9182



35.9695, 18.5924, 1.6950

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.



78.1595, 66.8596, 37.1424



46.0124, 66.8596, 92.9182



85.8147, 66.8596, 85.2796

Square

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



46.0124, 66.8596, 92.9182



70.2316, 66.8596, 143.9315



85.0536, 66.8596, 55.8158



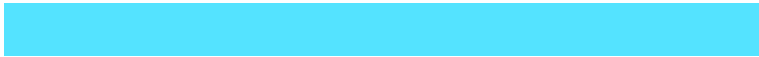
57.3025, 66.8596, 30.0901

Rectangle

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



46.0124, 66.8596, 92.9182



56.2894, 66.8596, 142.1460



85.0536, 66.8596, 55.8158



71.4053, 66.8596, 30.7260

Sweetspot

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



46.0144, 66.8621, 92.9198



71.9808, 87.6558, 107.7332



31.1619, 62.3218, 10.3890



14.8883, 18.4811, 23.0325



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.



46.0144, 66.8621, 92.9198



52.8018, 76.7236, 106.6339



22.4502, 19.7337, 85.0651



16.2295, 17.8931, 20.3199



25.1959, 36.6161, 50.8675



2.1015, 3.0569, 4.2335

Inverse Universe

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



51.2231, 24.6417, 82.1798



58.7811, 28.2764, 94.3001



42.6570, 31.9675, 3.9242



16.4453, 16.0278, 19.9010



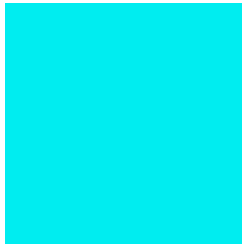
28.0434, 13.4898, 45.0063



2.3357, 1.1233, 3.7585

Previews

White Background



This preview shows how the XYZ color 46.0124, 66.8596, 92.9182 looks on a white background.

Color Contrast Check

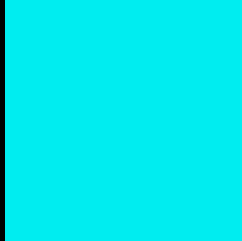
Large Text (above 18pt) WCAG AA × Fail

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 46.0124, 66.8596, 92.9182 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

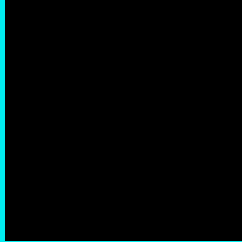
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 46.0124, 66.8596, 92.9182

Background



This preview shows how black text looks on a background with the XYZ color 46.0124, 66.8596, 92.9182.



This preview shows how white text looks on a background with the XYZ color 46.0124, 66.8596,

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

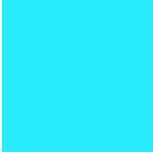
46.0124, 66.8596, 92.9182

Protanopia

63.5173, 65.4179, 79.0912

Deuteranopia

67.1257, 65.7881, 97.1562



Tritanopia

48.4728, 67.0235, 104.1480

Trichromacy



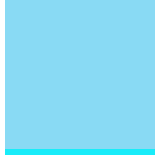
Original Color

46.0124, 66.8596, 92.9182



Protanomaly

49.7277, 61.9944, 83.4739



Deuteranomaly

51.7171, 61.9928, 94.8280



Tritanomaly

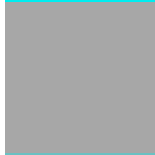
47.4952, 67.0371, 100.0587

Monochromacy



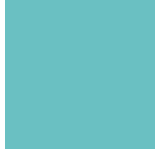
Original Color

46.0124, 66.8596, 92.9182



Achromatopsia

36.7301, 38.6429, 42.0822



Achromatomaly

34.5311, 44.6585, 57.8389

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.0124, 66.8596, 92.9182 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, 237, 240)` looks like.

```
.text, #text, p{  
    color:rgb(0, 237, 240)  
}
```

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, 237, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 237, 240) }
```

Border

The CSS property to change the border of an element to XYZ 46.0124, 66.8596, 92.9182 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, 237, 240) }
```


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

```
.border{ border-color:rgb(0, 237, 240) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 237, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 237, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 237, 240);  
box-shadow:4px 4px 4px 4px rgb(0, 237,  
240) }
```

Background

The CSS property to change the background color of an element to XYZ 46.0124, 66.8596, 92.9182 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 237, 240) }
```

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

```
.background{ background-color: rgb(0, 237,  
240) }
```

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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