

# Converting Colors

XYZ(47.0175, 63.8585,  
103.9541)

Have a look what the booklet for  
XYZ(47.0175, 63.8585, 103.9541)  
contains.

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# Color

**XYZ(46.9050, 63.7080,  
103.5906)**

# Conversions

## Conversions Part 1

Format	Color
Hex	2BE5FE
RGB	43, 229, 254
RGB Percent	17%, 90%, 100%
CMY	0.8313, 0.1019, 0.0039
CMYK	0.83, 0.10, 0.00, 0.00
HSL	187°, 99%, 58%
HSV	187°, 83%, 100%
XYZ	46.9050, 63.7080, 103.5906
YIQ	176.2360, -118.8810, -31.6570

# Conversions

## Conversions Part 2

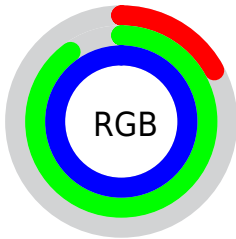
<b>Format</b>	<b>Color</b>
<b>RYB</b>	43, 142, 254
Decimal	2876926
CIELab	83.81, -35.11, -24.61
CIElCh	84, 42.878, 215.032
Yxy	63.7080, 0.2190, 0.2974
Android (android.graphics.Color)	4281067006 (0xFF2BE5FE)
YUV	176.2360, 38.3377, -116.8480
Hunter-Lab	79.8173, -34.7839, -21.0772

# Details

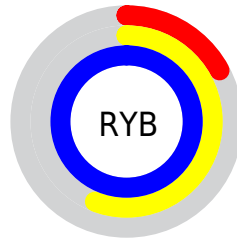
The XYZ color **46.9050, 63.7080, 103.5906** is a light color, and the websafe version is hex **66FFFF**. The color can be described as light washed cyan. A complement of this color would be **43.3785, 25.3825, 4.9008**, and the grayscale version is **41.2449, 43.3929, 47.2549**.

A 20% lighter version of the original color is **62.7121, 83.3292, 107.3866**, and **25.0216, 33.9184, 58.0514** is the 20% darker color. If you saturate the color by 10%, you get **45.3267, 61.6701, 103.2816**, and if you desaturate by 10%, it is **49.1634, 66.1205, 103.9384**.

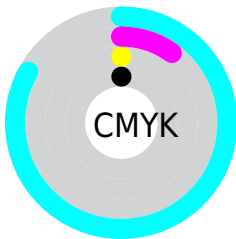
# Distribution



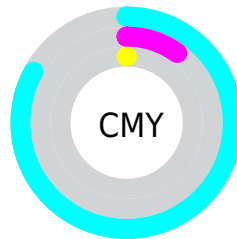
- Red (17%)
- Green (90%)
- Blue (100%)



- Red (17%)
- Yellow (56%)
- Blue (100%)



- Cyan (83%)
- Magenta (10%)
- Yellow (0%)
- Black (0%)



- Cyan (83%)
- Magenta (10%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 46.9050, 63.7080, 103.5906 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 46.9050, 63.7080, 103.5906 by changing the saturation by 10% instead.



46.9050, 63.7080,  
103.5906

46.9050, 63.7080,  
103.5906

365.0904,  
438.1344, 592.9889

33.1682, 46.4142,  
78.6690

84.7914, 110.1903,  
168.1776

22.4152, 32.5728,  
58.1040

109.6717,  
140.1476, 208.6800

14.2806, 21.7994,  
41.4770

138.9972,  
175.0949, 255.2132

8.3991, 13.7096,  
28.3695

173.1333,  
215.4165, 308.1957

4.4053, 7.9189,  
18.3629

212.4453,  
261.4969, 368.0459

1.9339, 4.0431,  
11.0387

257.2986,

0.5964, 1.6977,

313.7204, 435.1825

5.9784

308.0585,  
372.4714, 510.0240

■ 0.0000, 0.4222,  
2.7634

■ 0.0000, 0.0000,  
0.9751

■ 46.9050, 63.7080,  
103.5906

■ 46.9050, 63.7080,  
103.5906

■ 45.3267, 61.6701,  
103.2816

■ 49.1634, 66.1205,  
103.9384

■ 44.5199, 60.4163,  
103.0822

■ 52.2024, 68.9557,  
104.3255

■ 56.1119, 72.2613,  
104.7575

■ 60.9681, 76.0767,  
105.2380

66.8384, 80.4367,  
105.7702

73.7844, 85.3732,  
106.3569

81.8624, 90.9154,  
107.0009

91.1249, 97.0903,  
107.7046

94.8896, 99.9358,  
108.0554

# Harmonies

## Analogous

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



44.2491, 63.7080, 74.0153



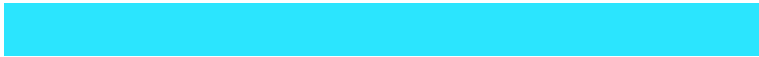
46.9050, 63.7080, 103.5906



53.2275, 63.7080, 127.7873

# Triad

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



46.9050, 63.7080, 103.5906



78.4925, 63.7080, 93.6358



58.9783, 63.7080, 29.4761

# Complementary

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



46.9050, 63.7080, 103.5906



43.3785, 25.3825, 4.9008

# 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.



68.5206, 63.7080, 32.1807



46.9050, 63.7080, 103.5906



80.4368, 63.7080, 64.9178

# Square

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



46.9050, 63.7080, 103.5906



71.5510, 63.7080, 121.0739



76.6196, 63.7080, 43.6576

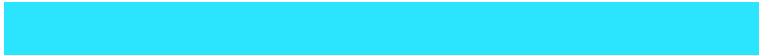


50.7432, 63.7080, 34.9839

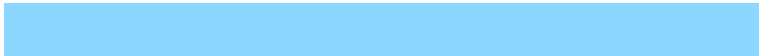


# Rectangle

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



46.9050, 63.7080, 103.5906



58.9983, 63.7080, 134.9046



76.6196, 63.7080, 43.6576



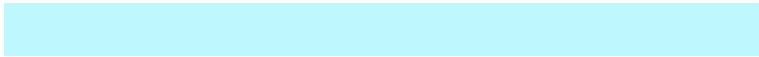
62.1339, 63.7080, 29.4732

# Sweetspot

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



46.9070, 63.7103, 103.5922



72.9962, 85.1237, 107.1910



37.4718, 71.8115, 17.2970



15.0863, 17.8396, 22.8982



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.



46.9070, 63.7103, 103.5922



44.9173, 60.9546, 104.0058



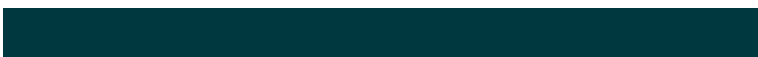
26.0818, 22.0597, 96.6504



18.3603, 20.0923, 23.1604



23.5432, 31.9960, 54.3696



2.3420, 3.2148, 5.3103



# Inverse Universe

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



55.8816, 28.4579, 76.6787



54.8014, 26.6846, 73.3433



56.2779, 51.1813, 9.2006



18.6945, 18.2611, 22.2745



28.6717, 13.9580, 38.5173

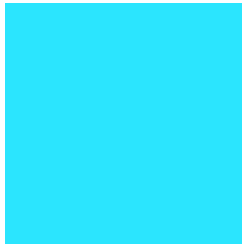


2.8168, 1.3691, 3.8824



# Previews

## White Background



This preview shows how the XYZ color 46.9050, 63.7080, 103.5906 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

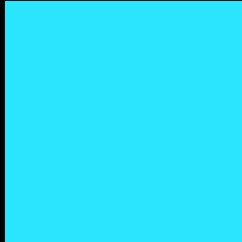
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 46.9050, 63.7080, 103.5906 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 46.9050, 63.7080, 103.5906

## Background



This preview shows how black text looks on a background with the XYZ color 46.9050, 63.7080, 103.5906.



This preview shows how white text looks on a background with the XYZ color 46.9050, 63.7080,



# 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

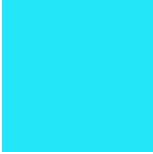
46.9050, 63.7080, 103.5906

### Protanopia

61.3513, 62.2532, 89.6714

### Deuteranopia

63.7303, 62.8232, 103.3749



## **Tritanopia**

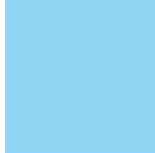
46.1233, 63.8082, 99.5078

# Trichromacy



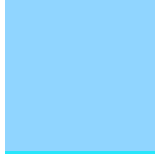
## Original Color

46.9050, 63.7080, 103.5906



## Protanomaly

51.8773, 60.5541, 94.5418



## Deuteranomaly

53.3458, 60.7378, 103.5197



## Tritanomaly

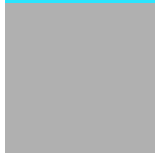
46.5461, 63.9900, 101.1649

# Monochromacy



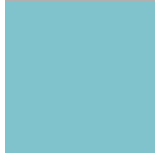
## Original Color

46.9050, 63.7080, 103.5906



## Achromatopsia

41.2663, 43.4154, 47.2793



## Achromatomaly

39.3163, 47.9790, 64.3154

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 46.9050, 63.7080, 103.5906 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(43, 229, 254)` looks like.

```
.text, #text, p{  
    color:rgb(43, 229, 254)  
}
```

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(43, 229, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(43, 229, 254) }
```

## Border

The CSS property to change the border of an element to XYZ 46.9050, 63.7080, 103.5906 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(43, 229, 254) }
```



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

```
.border{ border-color:rgb(43, 229, 254) }
```

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

Here you see how a box with a 4 pixel `rgb(43, 229, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(43, 229, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(43, 229, 254);  
box-shadow:4px 4px 4px 4px rgb(43, 229,  
254) }
```

# Background

The CSS property to change the background color of an element to XYZ 46.9050, 63.7080, 103.5906 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(43, 229, 254) }
```

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

```
.background{ background-color: rgb(43, 229,  
254) }
```

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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