

# Converting Colors

XYZ(46.5820, 76.0065, 61.7827)

Have a look what the booklet for  
XYZ(46.5820, 76.0065, 61.7827)  
contains.

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# Color

**XYZ(46.5292, 75.9854,  
61.5045)**

# Conversions

## Conversions Part 1

Format	Color
Hex	33FFBF
RGB	51, 255, 191
RGB Percent	20%, 100%, 75%
CMY	0.8000, 0.0000, 0.2510
CMYK	0.80, 0.00, 0.25, 0.00
HSL	161°, 100%, 60%
HSV	161°, 80%, 100%
XYZ	46.5292, 75.9854, 61.5045
YIQ	186.7080, -101.0400, -63.1520

# Conversions

## Conversions Part 2

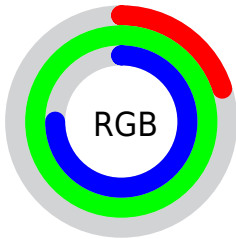
Format	Color
<a href="#">RYB</a>	<a href="#">51, 172, 255</a>
Decimal	<a href="#">3407807</a>
CIELab	<a href="#">89.85, -62.20, 17.18</a>
CIELCh	<a href="#">90, 64.526, 164.562</a>
Yxy	<a href="#">75.9854, 0.2528, 0.4129</a>
Android (android.graphics.Color)	<a href="#">4281597887</a> ( <a href="#">0xFF33FFBF</a> )
YUV	<a href="#">186.7080, 2.1160, -119.0159</a>
Hunter-Lab	<a href="#">87.1696, -57.2675, 19.1853</a>

# Details

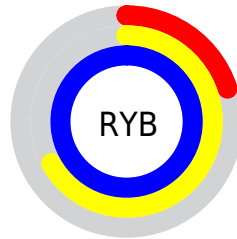
The XYZ color **46.5292, 75.9854, 61.5045** is a light color, and the websafe version is hex **00FFCC**. The color can be described as light washed spring green. A complement of this color would be **45.5192, 24.8664, 18.6224**, and the grayscale version is **47.1000, 49.5528, 53.9630**.

A 20% lighter version of the original color is **61.9086, 83.0607, 100.7651**, and **24.4816, 41.7386, 30.4330** is the 20% darker color. If you saturate the color by 10%, you get **44.7210, 75.1522, 56.9497**, and if you desaturate by 10%, it is **49.0902, 77.2011, 66.3482**.

# Distribution



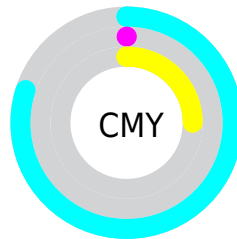
- Red (20%)
- Green (100%)
- Blue (75%)



- Red (20%)
- Yellow (67%)
- Blue (100%)



- Cyan (80%)
- Magenta (0%)
- Yellow (25%)
- Black (0%)




- Cyan (80%)
- Magenta (0%)
- Yellow (25%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 46.5292, 75.9854, 61.5045 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 46.5292, 75.9854, 61.5045 by changing the saturation by 10% instead.





 46.5292, 75.9854,  
61.5045


 46.5292, 75.9854,  
61.5045


363.6125,  
481.2977, 448.0790


 32.8700, 56.4205,  
44.1992


 84.2335, 127.7063,  
108.5737


 22.1856, 40.5402,  
30.4888


 109.0093,  
160.6311, 139.1747

 14.1107, 27.9600,  
19.9547


 138.2213,  
198.7780, 175.0448

 8.2799, 18.2955,  
12.1784

 172.2349,  
242.5313, 216.6024

 4.3279, 11.1623,  
6.7413

211.4155,  
292.2756, 264.2661

 1.8893, 6.1761,  
3.2248

256.1284,

 0.5706, 2.9525,

348.3952, 318.4544

1.2106

306.7389,  
411.2744, 379.5858

■ 0.0000, 1.1070,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 46.5292, 75.9854,  
61.5045

■ 46.5292, 75.9854,  
61.5045

■ 44.7210, 75.1522,  
56.9497

■ 49.0902, 77.2011,  
66.3482

■ 43.4982, 74.6153,  
52.6681

■ 52.5033, 78.8504,  
71.4855

■ 43.4978, 74.6151,  
52.6666

■ 56.8545, 80.9777,  
76.9254

■ 62.2183, 83.6211,  
82.6751

■ 68.6614, 86.8150,  
88.7414

■ 76.2448, 90.5909,  
95.1308

■ 85.0248, 94.9775,  
101.8492

■ 95.0500, 100.0000,  
108.9000

# Harmonies

## Analogous

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



52.7842, 75.9854, 34.6381



46.5292, 75.9854, 61.5045



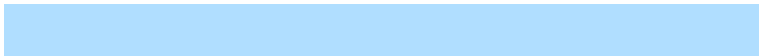
46.4388, 75.9854, 106.8186

# Triad

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



46.5292, 75.9854, 61.5045



80.2031, 75.9854, 200.0525



96.3276, 75.9854, 35.1719

# Complementary

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



46.5292, 75.9854, 61.5045



45.5192, 24.8664, 18.6224

# 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.



106.1240, 75.9854, 62.5745



46.5292, 75.9854, 61.5045



95.9266, 75.9854, 162.3336

# Square

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



46.5292, 75.9854, 61.5045



64.3683, 75.9854, 199.4274



105.9673, 75.9854, 108.3631



80.6895, 75.9854, 23.6994



# Rectangle

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



46.5292, 75.9854, 61.5045



49.8128, 75.9854, 143.1712



105.9673, 75.9854, 108.3631



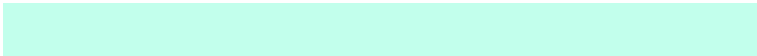
100.5086, 75.9854, 42.2695

# Sweetspot

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



46.5299, 75.9857, 61.5058



73.0681, 89.0074, 92.5335



43.5080, 75.4452, 15.4023



15.0684, 18.7669, 19.3207



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

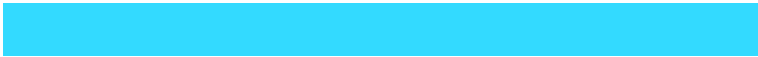
The Same Dimension uses a secret algorithm to generate beautiful new colors.



46.5299, 75.9857, 61.5058



43.9436, 74.8082, 54.3477



44.3840, 57.8605, 103.4367



18.2980, 20.3787, 21.8725



22.7990, 39.0162, 27.8907



2.2693, 3.8186, 2.9758



# Inverse Universe

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



45.5192, 24.8664, 18.6224



43.0710, 22.1696, 11.0261



45.3610, 28.5457, 6.2521



18.2441, 18.0810, 19.9026



22.3644, 11.4351, 5.3035

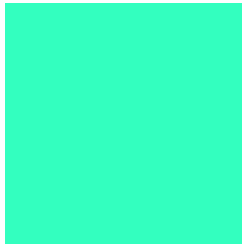


2.2244, 1.1321, 0.7631



# Previews

## White Background



This preview shows how the XYZ color 46.5292, 75.9854, 61.5045 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

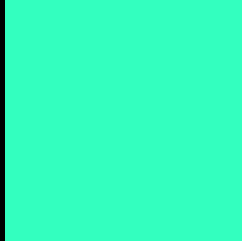
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 46.5292, 75.9854, 61.5045 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

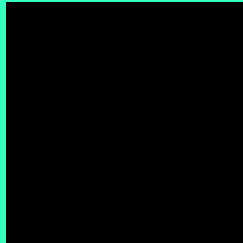
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

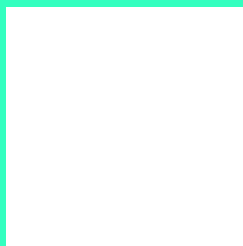
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 46.5292, 75.9854, 61.5045**

## **Background**



This preview shows how black text looks on a background with the XYZ color 46.5292, 75.9854, 61.5045.



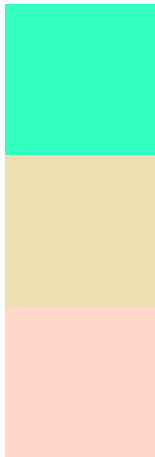
This preview shows how white text looks on a background with the XYZ color 46.5292, 75.9854,



# 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

46.5292, 75.9854, 61.5045

### Protanopia

69.4840, 74.0871, 51.7123

### Deuteranopia

75.8542, 74.3527, 64.9971



## Tritanopia

60.5378, 75.3798, 105.9668

# Trichromacy



## Original Color

46.5292, 75.9854, 61.5045



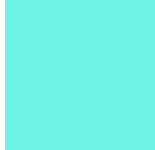
## Protanomaly

54.6264, 71.2989, 54.5990



## Deuteranomaly

57.1972, 70.3281, 63.3834



## Tritanomaly

53.6483, 74.4460, 87.8859

# Monochromacy



## Original Color

46.5292, 75.9854, 61.5045



## Achromatopsia

47.2335, 49.6933, 54.1160



## Achromatomaly

43.1018, 56.1211, 56.1377

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 46.5292, 75.9854, 61.5045 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(51, 255, 191)` looks like.

```
.text, #text, p{  
    color:rgb(51, 255, 191)  
}
```

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(51, 255, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 255, 191) }
```

## Border

The CSS property to change the border of an element to XYZ 46.5292, 75.9854, 61.5045 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(51, 255, 191) }
```



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

```
.border{ border-color:rgb(51, 255, 191) }
```

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

Here you see how a box with a 4 pixel rgb(51, 255, 191) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 255, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 255, 191);  
box-shadow:4px 4px 4px 4px rgb(51, 255,  
191) }
```

# Background

The CSS property to change the background color of an element to XYZ 46.5292, 75.9854, 61.5045 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 255, 191) }
```

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

```
.background{ background-color: rgb(51, 255,  
191) }
```

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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