

# Converting Colors

XYZ(46.4380, 62.5206,  
104.2279)

Have a look what the booklet for  
XYZ(46.4380, 62.5206, 104.2279)  
contains.

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# Color

**XYZ(46.5153, 62.6718,  
104.2530)**

# Conversions

## Conversions Part 1

Format	Color
Hex	2BE3FF
RGB	43, 227, 255
RGB Percent	17%, 89%, 100%
CMY	0.8313, 0.1098, 0.0000
CMYK	0.83, 0.11, 0.00, 0.00
HSL	188°, 100%, 58%
HSV	188°, 83%, 100%
XYZ	46.5153, 62.6718, 104.2530
YIQ	175.1760, -118.6520, -30.3000

# Conversions

## Conversions Part 2

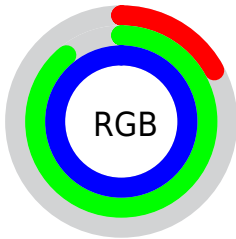
Format	Color
<a href="#">RYB</a>	43, 142, 255
Decimal	2876415
CIELab	83.27, -33.86, -25.97
CIELCh	83, 42.674, 217.486
Yxy	62.6718, 0.2179, 0.2936
Android (android.graphics.Color)	4281066495 (0xFF2BE3FF)
YUV	175.1760, 39.3532, -115.9184
Hunter-Lab	79.1655, -33.6584, -22.6631

# Details

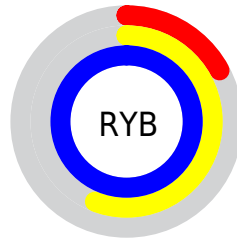
The XYZ color **46.5153, 62.6718, 104.2530** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light washed cyan. A complement of this color would be **43.9308, 25.9432, 4.9796**, and the grayscale version is **40.6891, 42.8081, 46.6181**.

A 20% lighter version of the original color is **62.7121, 83.3292, 107.3866**, and **24.7560, 33.2030, 58.5301** is the 20% darker color. If you saturate the color by 10%, you get **44.8483, 60.4595, 103.9138**, and if you desaturate by 10%, it is **48.8706, 65.2681, 104.6300**.

# Distribution



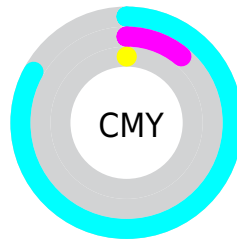
- Red (17%)
- Green (89%)
- Blue (100%)



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



- Cyan (83%)
- Magenta (11%)
- Yellow (0%)
- Black (0%)



- Cyan (83%)
- Magenta (11%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 46.5153, 62.6718, 104.2530 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 46.5153, 62.6718, 104.2530 by changing the saturation by 10% instead.



46.5153, 62.6718,  
104.2530

46.5153, 62.6718,  
104.2530

363.5578,  
434.3774, 595.1066

32.8590, 45.5757,  
79.2205

84.2128, 108.6959,  
169.0923

22.1772, 31.9112,  
58.5547

108.9847,  
138.3927, 209.7361

14.1045, 21.2937,  
41.8371

138.1926,  
173.0586, 256.4209

8.2755, 13.3388,  
28.6492

172.2016,  
213.0779, 309.5650

4.3250, 7.6623,  
18.5723

211.3774,  
258.8350, 369.5871

1.8876, 3.8796,  
11.1880

256.0850,

0.5696, 1.6065,

310.7144, 436.9057

6.0776

306.6901,  
369.1004, 511.9393

■ 0.0000, 0.3619,  
2.8228

■ 0.0000, 0.0000,  
1.0049

■ 46.5153, 62.6718,  
104.2530

■ 46.5153, 62.6718,  
104.2530

■ 44.8483, 60.4595,  
103.9138

■ 48.8706, 65.2681,  
104.6300

■ 43.9914, 59.1028,  
103.6971

■ 52.0167, 68.2979,  
105.0490

■ 56.0445, 71.8091,  
105.5144

■ 61.0307, 75.8416,  
106.0300

67.0436, 80.4308,  
106.5989

74.1454, 85.6088,  
107.2240

82.3931, 91.4051,  
107.9081

91.8397, 97.8473,  
108.6537

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.



43.5870, 62.6718, 75.1074



46.5153, 62.6718, 104.2530



53.0007, 62.6718, 127.0847

# Triad

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



46.5153, 62.6718, 104.2530



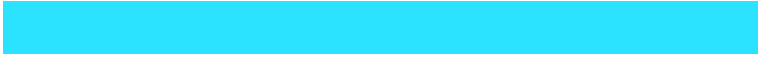
77.5951, 62.6718, 89.7084



57.2757, 62.6718, 29.1116

# Complementary

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



46.5153, 62.6718, 104.2530



43.9308, 25.9432, 4.9796

# 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.



66.6559, 62.6718, 31.1137



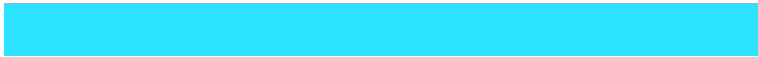
46.5153, 62.6718, 104.2530



79.0429, 62.6718, 61.8026

# Square

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



46.5153, 62.6718, 104.2530



71.0854, 62.6718, 117.2819



74.8583, 62.6718, 41.6513

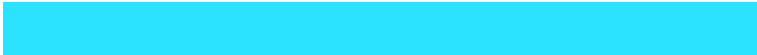


49.3665, 62.6718, 35.2218

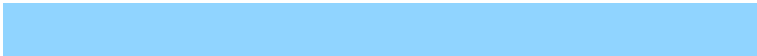


# Rectangle

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



46.5153, 62.6718, 104.2530



58.7894, 62.6718, 132.9878



74.8583, 62.6718, 41.6513



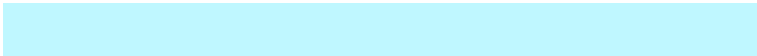
60.3528, 62.6718, 28.8934

# Sweetspot

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



46.5171, 62.6740, 104.2533



72.7314, 84.5940, 107.1027



37.7929, 72.4484, 17.4212



15.0220, 17.7110, 22.8768



0.0000, 0.0000, 0.0000

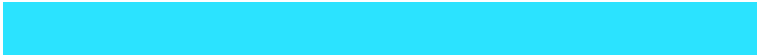


20.3446, 21.4041, 23.3091

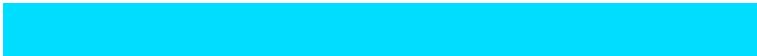


# Same Dimension

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



46.5171, 62.6740, 104.2533



43.9914, 59.1028, 103.6971



26.2898, 22.2194, 97.5109



18.3382, 20.0480, 23.1531



23.0661, 31.0418, 54.2105



2.3002, 3.1312, 5.2964



# Inverse Universe

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



55.9702, 28.5355, 75.2333



54.3340, 26.4976, 70.8822



56.7625, 51.6068, 9.2569



18.6834, 18.2567, 22.2157



28.4309, 13.8617, 37.2492

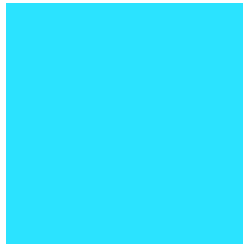


2.7957, 1.3606, 3.7714



# Previews

## White Background



This preview shows how the XYZ color 46.5153, 62.6718, 104.2530 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

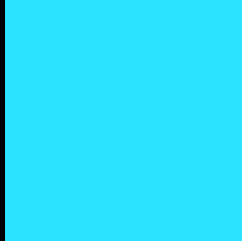
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 46.5153, 62.6718, 104.2530 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 46.5153, 62.6718, 104.2530

## Background



This preview shows how black text looks on a background with the XYZ color 46.5153, 62.6718, 104.2530.



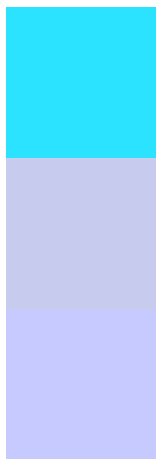
This preview shows how white text looks on a background with the XYZ color 46.5153, 62.6718,



# 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

46.5153, 62.6718, 104.2530

### Protanopia

60.7260, 61.5598, 90.3430

### Deuteranopia

62.4592, 61.4668, 103.1801



## Tritanopia

45.0970, 62.4935, 97.6813

# Trichromacy



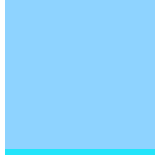
## Original Color

46.5153, 62.6718, 104.2530



## Protanomaly

51.1802, 59.4303, 95.1599



## Deuteranomaly

52.4996, 59.5593, 103.3368



## Tritanomaly

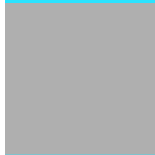
45.6919, 62.7463, 100.1455

# Monochromacy



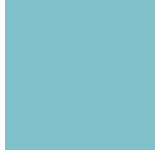
## Original Color

46.5153, 62.6718, 104.2530



## Achromatopsia

40.7470, 42.8690, 46.6844



## Achromatomaly

38.9433, 47.4552, 64.2340

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 46.5153, 62.6718, 104.2530 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, 227, 255)` looks like.

```
.text, #text, p{  
    color:rgb(43, 227, 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(43, 227, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(43, 227, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 46.5153, 62.6718, 104.2530 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, 227, 255) }
```



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

```
.border{ border-color:rgb(43, 227, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(43, 227, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(43, 227, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(43, 227, 255);  
box-shadow:4px 4px 4px 4px rgb(43, 227,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 46.5153, 62.6718, 104.2530 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(43, 227, 255) }
```

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

```
.background{ background-color: rgb(43, 227,  
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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