

# Converting Colors

XYZ(41.2669, 51.6272,  
102.3978)

Have a look what the booklet for  
XYZ(41.2669, 51.6272, 102.3978)  
contains.

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# Color

**XYZ(41.2466, 51.5865,  
102.3910)**

# Conversions

## Conversions Part 1

Format	Color
Hex	33CDFF
RGB	51, 205, 255
RGB Percent	20%, 80%, 100%
CMY	0.7999, 0.1961, 0.0000
CMYK	0.80, 0.20, 0.00, 0.00
HSL	195°, 100%, 60%
HSV	195°, 80%, 100%
XYZ	41.2466, 51.5865, 102.3910
YIQ	164.6540, -107.8340, -17.0980

# Conversions

## Conversions Part 2

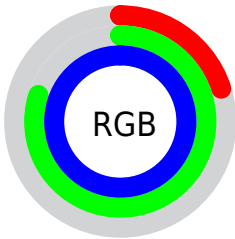
Format	Color
R <sub>Y</sub> B	51, 139, 255
Decimal	3395071
CIE Lab	77.03, -22.46, -35.54
CIE LCh	77, 42.042, 237.713
Yxy	51.5865, 0.2113, 0.2642
Android (android.graphics.Color)	4281585151 (0xFF33CDFF)
YUV	164.6540, 44.5406, -99.6746
Hunter-Lab	71.8237, -23.1834, -34.2464

# Details

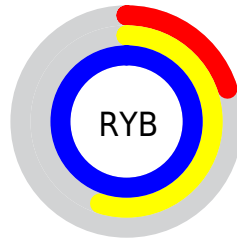
The XYZ color **41.2466, 51.5865, 102.3910** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light washed cyan. A complement of this color would be **46.4932, 30.8097, 6.6306**, and the grayscale version is **35.4325, 37.2778, 40.5955**.

A 20% lighter version of the original color is **62.8633, 83.4071, 107.3937**, and **21.2597, 26.2104, 57.3647** is the 20% darker color. If you saturate the color by 10%, you get **38.8303, 48.1663, 101.8582**, and if you desaturate by 10%, it is **44.4291, 55.4922, 102.9771**.

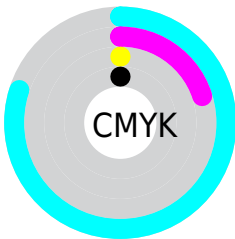
# Distribution



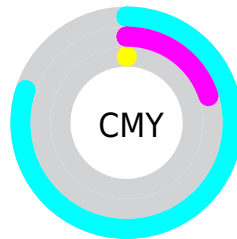
- Red (20%)
- Green (80%)
- Blue (100%)



- Red (20%)
- Yellow (55%)
- Blue (100%)



- Cyan (80%)
- Magenta (20%)
- Yellow (0%)
- Black (0%)



- Cyan (80%)
- Magenta (20%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 41.2466, 51.5865, 102.3910 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 41.2466, 51.5865, 102.3910 by changing the saturation by 10% instead.



41.2466, 51.5865,  
102.3910

41.2466, 51.5865,  
102.3910

342.3952,  
392.8382, 589.1436

28.7003, 36.6756,  
77.6709

76.3304, 92.5211,  
166.5196

18.9974, 24.9564,  
57.2888

99.5987, 119.3136,  
206.7651

11.7724, 16.0446,  
40.8263

127.1718,  
150.8355, 253.0228

6.6600, 9.5557,  
27.8647

159.4149,  
187.4710, 305.7113

3.2948, 5.1054,  
17.9855

196.6934,  
229.6046, 365.2491

1.3115, 2.3092,  
10.7703

239.3728,

0.1918, 0.7786,

277.6208, 432.0547

5.8003

287.8182,  
331.9038, 506.5467

■ 0.0000, 0.0000,  
2.6572

■ 0.0000, 0.0000,  
0.9218

■ 41.2466, 51.5865,  
102.3910

■ 41.2466, 51.5865,  
102.3910

■ 38.8303, 48.1663,  
101.8582

■ 44.4291, 55.4922,  
102.9771

■ 37.0103, 45.1403,  
101.3700

■ 48.4744, 59.9314,  
103.6208

■ 37.0091, 45.1381,  
101.3697

■ 53.4694, 64.9509,  
104.3264

■ 59.4883, 70.5898,  
105.0976

■ 66.5981, 76.8837,  
105.9377

■ 74.8595, 83.8649,  
106.8498

■ 84.3288, 91.5632,  
107.8366

■ 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.



36.6068, 51.5865, 79.3138



41.2466, 51.5865, 102.3910



48.4187, 51.5865, 112.8669

# Triad

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



41.2466, 51.5865, 102.3910



66.1114, 51.5865, 57.9495



42.2036, 51.5865, 25.4400

# Complementary

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



41.2466, 51.5865, 102.3910



46.4932, 30.8097, 6.6306

# 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.



49.6493, 51.5865, 22.5865



41.2466, 51.5865, 102.3910



63.9903, 51.5865, 38.0312

# Square

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



41.2466, 51.5865, 102.3910



63.2583, 51.5865, 83.2177



57.7389, 51.5865, 26.4934



37.1155, 51.5865, 35.7261



# Rectangle

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



41.2466, 51.5865, 102.3910



53.8748, 51.5865, 109.6202



57.7389, 51.5865, 26.4934



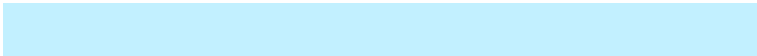
44.4874, 51.5865, 23.7268

# Sweetspot

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



41.2482, 51.5882, 102.3913



71.4067, 80.9827, 106.4754



39.3600, 73.1178, 23.7467



14.6612, 16.8055, 22.7210



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

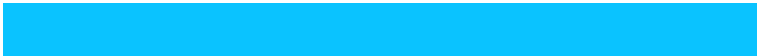


# Same Dimension

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



41.2482, 51.5882, 102.3913



37.6922, 46.3150, 101.5608



24.5101, 18.1120, 96.8119



18.1556, 19.6827, 23.0922



19.4614, 23.8323, 53.0090



1.9804, 2.4914, 5.1898



# Inverse Universe

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



53.4444, 28.0372, 60.3542



51.2008, 25.4214, 53.8366



62.6327, 63.0886, 12.0104



18.5912, 18.2198, 21.7302



26.6114, 13.1339, 27.6678

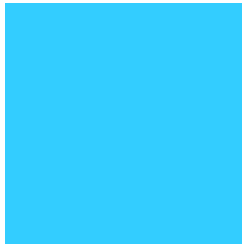


2.6342, 1.2961, 2.9211



# Previews

## White Background



This preview shows how the XYZ color 41.2466, 51.5865, 102.3910 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

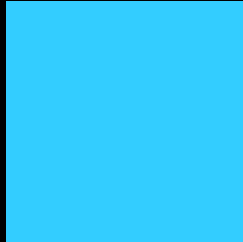
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 41.2466, 51.5865, 102.3910 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

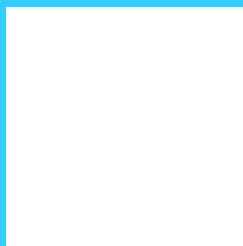
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 41.2466, 51.5865, 102.3910

## Background



This preview shows how black text looks on a background with the XYZ color 41.2466, 51.5865, 102.3910.



This preview shows how white text looks on a background with the XYZ color 41.2466, 51.5865,



# 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

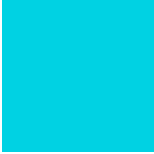
41.2466, 51.5865, 102.3910

### Protanopia

51.3267, 51.0055, 90.3589

### Deuteranopia

51.7574, 50.6626, 101.6587



## Tritanopia

36.9117, 51.6392, 80.6950

# Trichromacy



## Original Color

41.2466, 51.5865, 102.3910



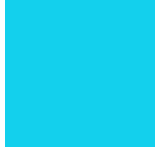
## Protanomaly

45.1323, 49.9832, 94.4578



## Deuteranomaly

45.5774, 49.7199, 101.8025



## Tritanomaly

38.1105, 51.3646, 88.0265

# Monochromacy



## Original Color

41.2466, 51.5865, 102.3910



## Achromatopsia

35.7637, 37.6262, 40.9749



## Achromatomaly

34.8265, 41.0048, 59.5053

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 41.2466, 51.5865, 102.3910 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, 205, 255)` looks like.

```
.text, #text, p{  
    color:rgb(51, 205, 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(51, 205, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 205, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 41.2466, 51.5865, 102.3910 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, 205, 255) }
```



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

```
.border{ border-color:rgb(51, 205, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(51, 205, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 205, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 205, 255);  
box-shadow:4px 4px 4px 4px rgb(51, 205,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 41.2466, 51.5865, 102.3910 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 205, 255) }
```

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

```
.background{ background-color: rgb(51, 205,  
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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