

# Converting Colors

XYZ(41.5315, 52.1677,  
102.4882)

Have a look what the booklet for  
XYZ(41.5315, 52.1677, 102.4882)  
contains.

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# Color

**XYZ(41.4865, 52.0664,  
102.4710)**

# Conversions

## Conversions Part 1

Format	Color
Hex	33CEFF
RGB	51, 206, 255
RGB Percent	20%, 81%, 100%
CMY	0.7999, 0.1921, 0.0000
CMYK	0.80, 0.19, 0.00, 0.00
HSL	194°, 100%, 60%
HSV	194°, 80%, 100%
XYZ	41.4865, 52.0664, 102.4710
YIQ	165.2410, -108.1090, -17.6210

# Conversions

## Conversions Part 2

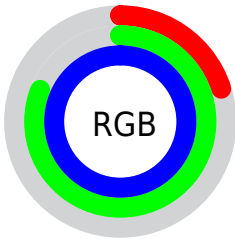
<b>Format</b>	<b>Color</b>
R <sub>YB</sub>	51, 139, 255
Decimal	3395327
CIE Lab	77.32, -22.96, -35.10
CIE LCh	77, 41.942, 236.803
Yxy	52.0664, 0.2116, 0.2656
Android (android.graphics.Color)	4281585407 (0xFF33CEFF)
YUV	165.2410, 44.2512, -100.1894
Hunter-Lab	72.1571, -23.6468, -33.6884

# Details

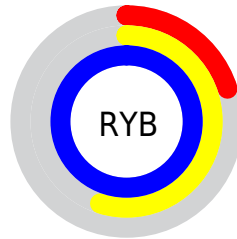
The XYZ color **41.4865, 52.0664, 102.4710** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light washed cyan. A complement of this color would be **46.3965, 30.6164, 6.5982**, and the grayscale version is **35.7143, 37.5742, 40.9183**.

A 20% lighter version of the original color is **62.8633, 83.4071, 107.3937**, and **21.4213, 26.5337, 57.4186** is the 20% darker color. If you saturate the color by 10%, you get **39.0897, 48.6851, 101.9447**, and if you desaturate by 10%, it is **44.6472, 55.9287, 103.0499**.

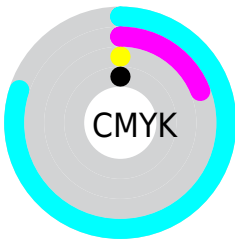
# Distribution



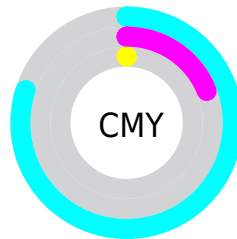
- Red (20%)
- Green (81%)
- Blue (100%)



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



- Cyan (80%)
- Magenta (19%)
- Yellow (0%)
- Black (0%)



- Cyan (80%)
- Magenta (19%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 41.4865, 52.0664, 102.4710 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 41.4865, 52.0664, 102.4710 by changing the saturation by 10% instead.



41.4865, 52.0664,  
102.4710

41.4865, 52.0664,  
102.4710

343.3778,  
394.6929, 589.4004

28.8888, 37.0580,  
77.7374

76.6919, 93.2292,  
166.6302

19.1406, 25.2524,  
57.3431

100.0303,  
120.1523, 206.8929

11.8765, 16.2652,  
40.8696

127.6797,  
151.8158, 253.1690

6.7312, 9.7120,  
27.8983

160.0053,  
188.6041, 305.8771

3.3394, 5.2084,  
18.0106

197.3726,  
230.9016, 365.4358

1.3357, 2.3701,  
10.7881

240.1468,

0.2097, 0.8104,

279.0926, 432.2636

5.8122

288.6935,  
333.5616, 506.7789

■ 0.0000, 0.0000,  
2.6643

■ 0.0000, 0.0000,  
0.9254

■ 41.4865, 52.0664,  
102.4710

■ 41.4865, 52.0664,  
102.4710

■ 39.0897, 48.6851,  
101.9447

■ 44.6472, 55.9287,  
103.0499

■ 37.2869, 45.6935,  
101.4622

■ 48.6686, 60.3200,  
103.6856

■ 37.2857, 45.6915,  
101.4619

■ 53.6371, 65.2867,  
104.3824

■ 59.6273, 70.8683,  
105.1440

■ 66.7059, 77.0999,  
105.9737

■ 74.9337, 84.0138,  
106.8746

■ 84.3669, 91.6399,  
107.8494

■ 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.



36.9165, 52.0664, 79.1250



41.4865, 52.0664, 102.4710



48.6293, 52.0664, 113.4773

# Triad

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



41.4865, 52.0664, 102.4710



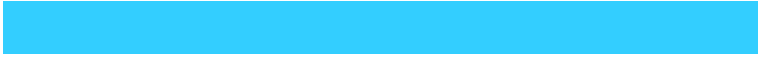
66.6087, 52.0664, 59.2000



42.8302, 52.0664, 25.6133

# Complementary

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



41.4865, 52.0664, 102.4710



46.3965, 30.6164, 6.5982

# 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.



50.3559, 52.0664, 22.9476



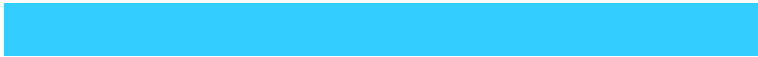
41.4865, 52.0664, 102.4710



64.6305, 52.0664, 38.9578

# Square

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



41.4865, 52.0664, 102.4710



63.6045, 52.0664, 84.5946



58.4564, 52.0664, 27.0968



37.6311, 52.0664, 35.7173



# Rectangle

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



41.4865, 52.0664, 102.4710



54.0989, 52.0664, 110.6050



58.4564, 52.0664, 27.0968



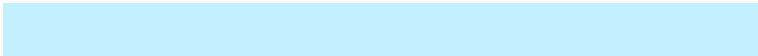
45.1460, 52.0664, 23.9601

# Sweetspot

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



41.4881, 52.0681, 102.4712



71.4952, 81.1596, 106.5049



39.3598, 73.1177, 23.7464



14.6827, 16.8485, 22.7282



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

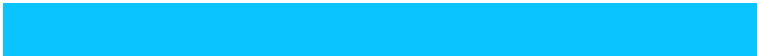


# Same Dimension

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



41.4881, 52.0681, 102.4712



37.9623, 46.8551, 101.6509



24.5099, 18.1118, 96.8118



18.1634, 19.6985, 23.0948



19.6045, 24.1186, 53.0567



1.9932, 2.5172, 5.1941



# Inverse Universe

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



53.5655, 28.0856, 60.9920



51.3371, 25.4760, 54.5544



62.6325, 63.0884, 12.0102



18.5951, 18.2214, 21.7511



26.6836, 13.1627, 28.0482

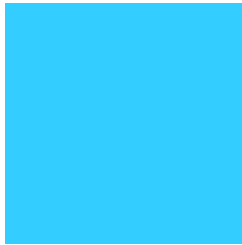


2.6407, 1.2987, 2.9553



# Previews

## White Background



This preview shows how the XYZ color 41.4865, 52.0664, 102.4710 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

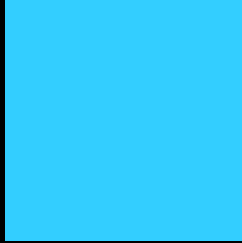
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 41.4865, 52.0664, 102.4710 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

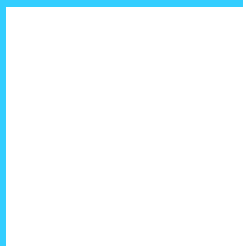
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 41.4865, 52.0664, 102.4710

## Background



This preview shows how black text looks on a background with the XYZ color 41.4865, 52.0664, 102.4710.



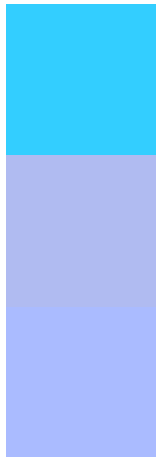
This preview shows how white text looks on a background with the XYZ color 41.4865, 52.0664,



# 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

41.4865, 52.0664, 102.4710

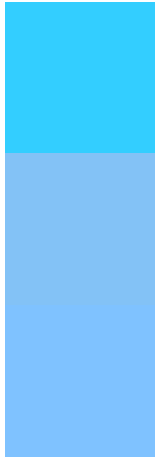
### Protanopia

51.5520, 51.1216, 90.3695

### Deuteranopia

52.3979, 51.3067, 101.7493

# Trichromacy



## Original Color

41.4865, 52.0664, 102.4710

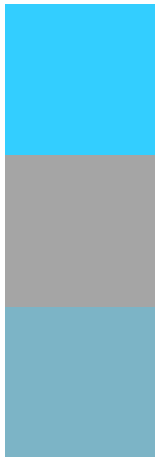
## Protanomaly

45.2864, 50.0627, 94.4650

## Deuteranomaly

46.0942, 50.3156, 101.8902

# Monochromacy



## Original Color

41.4865, 52.0664, 102.4710

## 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 41.4865, 52.0664, 102.4710 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, 206, 255)` looks like.

```
.text, #text, p{  
    color:rgb(51, 206, 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, 206, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 206, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 41.4865, 52.0664, 102.4710 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, 206, 255) }
```

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

```
.border{ border-color:rgb(51, 206, 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, 206, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 206, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 206, 255);  
box-shadow:4px 4px 4px 4px rgb(51, 206,  
255) }
```



# Background

The CSS property to change the background color of an element to XYZ 41.4865, 52.0664, 102.4710 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 206, 255) }
```

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

```
.background{ background-color: rgb(51, 206,  
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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