

# Converting Colors

XYZ(41.0593, 51.2119,  
102.3286)

Have a look what the booklet for  
XYZ(41.0593, 51.2119, 102.3286)  
contains.

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# Color

**XYZ(41.0081, 51.1095,  
102.3115)**

# Conversions

## Conversions Part 1

Format	Color
Hex	33CCFF
RGB	51, 204, 255
RGB Percent	20%, 80%, 100%
CMY	0.7999, 0.2000, 0.0000
CMYK	0.80, 0.20, 0.00, 0.00
HSL	195°, 100%, 60%
HSV	195°, 80%, 100%
XYZ	41.0081, 51.1095, 102.3115
YIQ	164.0670, -107.5590, -16.5750

# Conversions

## Conversions Part 2

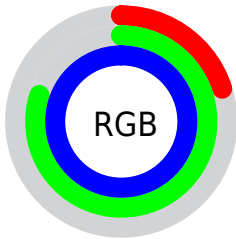
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	51, 138, 255
Decimal	3394815
CIE Lab	76.75, -21.95, -35.99
CIE LCh	77, 42.152, 238.621
Yxy	51.1095, 0.2109, 0.2629
Android (android.graphics.Color)	4281584895 (0xFF33CCFF)
YUV	164.0670, 44.8300, -99.1598
Hunter-Lab	71.4909, -22.7192, -34.8070

# Details

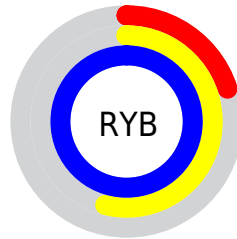
The XYZ color **41.0081, 51.1095, 102.3115** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light washed cyan. A complement of this color would be **46.5910, 31.0052, 6.6632**, and the grayscale version is **35.1518, 36.9824, 40.2738**.

A 20% lighter version of the original color is **62.8633, 83.4071, 107.3937**, and **21.0994, 25.8899, 57.3113** is the 20% darker color. If you saturate the color by 10%, you get **38.5728, 47.6513, 101.7724**, and if you desaturate by 10%, it is **44.2119, 55.0578, 102.9047**.

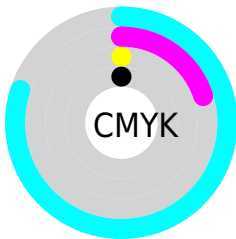
# Distribution



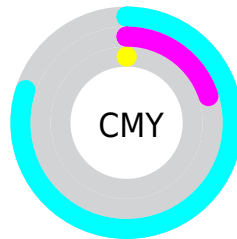
- Red (20%)
- Green (80%)
- Blue (100%)



- Red (20%)
- Yellow (54%)
- 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 41.0081, 51.1095, 102.3115 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 41.0081, 51.1095, 102.3115 by changing the saturation by 10% instead.



41.0081, 51.1095,  
102.3115

41.0081, 51.1095,  
102.3115

341.4165,  
390.9891, 588.8883

28.5131, 36.2958,  
77.6048

75.9708, 91.8166,  
166.4096

18.8552, 24.6627,  
57.2348

99.1693, 118.4788,  
206.6381

11.6691, 15.8259,  
40.7832

126.6662,  
149.8592, 252.8775

6.5894, 9.4011,  
27.8313

158.8271,  
186.3423, 305.5464

3.2507, 5.0037,  
17.9606

196.0172,  
228.3124, 365.0634

1.2877, 2.2494,  
10.7525

238.6019,

0.1740, 0.7467,

276.1540, 431.8471

5.7886

286.9465,  
330.2514, 506.3158

■ 0.0000, 0.0000,  
2.6503

■ 0.0000, 0.0000,  
0.9182

■ 41.0081, 51.1095,  
102.3115

■ 41.0081, 51.1095,  
102.3115

■ 38.5728, 47.6513,  
101.7724

■ 44.2119, 55.0578,  
102.9047

■ 36.7360, 44.5917,  
101.2786

■ 48.2809, 59.5444,  
103.5563

■ 36.7347, 44.5895,  
101.2782

■ 53.3019, 64.6159,  
104.2706

■ 59.3493, 70.3119,  
105.0513

■ 66.4900, 76.6677,  
105.9017

■ 74.7849, 83.7158,  
106.8249

■ 84.2903, 91.4861,  
107.8237

■ 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.



36.2992, 51.1095, 79.5044



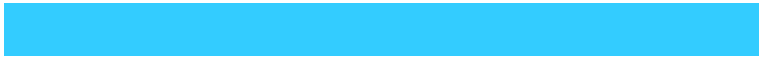
41.0081, 51.1095, 102.3115



48.2093, 51.1095, 112.2579

# Triad

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



41.0081, 51.1095, 102.3115



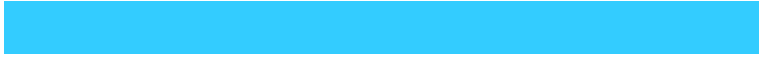
65.6163, 51.1095, 56.7151



41.5827, 51.1095, 25.2682

# Complementary

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



41.0081, 51.1095, 102.3115



46.5910, 31.0052, 6.6632

# 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.



48.9487, 51.1095, 22.2295



41.0081, 51.1095, 102.3115



63.3538, 51.1095, 37.1185

# Square

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



41.0081, 51.1095, 102.3115



62.9135, 51.1095, 81.8535



57.0266, 51.1095, 25.8989



36.6045, 51.1095, 35.7360



# Rectangle

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



41.0081, 51.1095, 102.3115



53.6518, 51.1095, 108.6396



57.0266, 51.1095, 25.8989



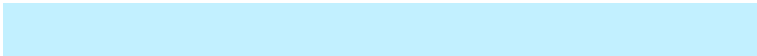
43.8347, 51.1095, 23.4955

# Sweetspot

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



41.0097, 51.1112, 102.3118



71.3185, 80.8062, 106.4460



39.5252, 73.1839, 24.6168



14.6397, 16.7627, 22.7139



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

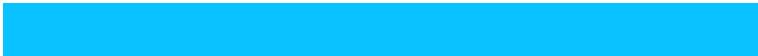


# Same Dimension

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



41.0097, 51.1112, 102.3118



37.4244, 45.7792, 101.4715



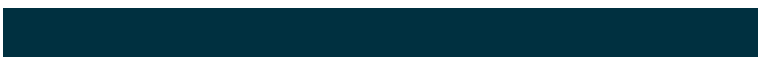
24.1690, 17.4299, 96.6982



18.1477, 19.6670, 23.0896



19.3195, 23.5485, 52.9617



1.9676, 2.4659, 5.1855



# Inverse Universe

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



53.3240, 27.9891, 59.7202



51.0656, 25.3674, 53.1246



63.4320, 64.6872, 12.2768



18.5872, 18.2182, 21.7093



26.5398, 13.1052, 27.2906

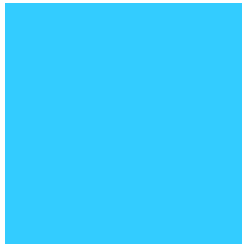


2.6278, 1.2935, 2.8872



# Previews

## White Background



This preview shows how the XYZ color 41.0081, 51.1095, 102.3115 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

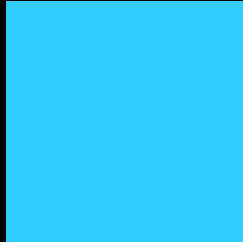
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 41.0081, 51.1095, 102.3115 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

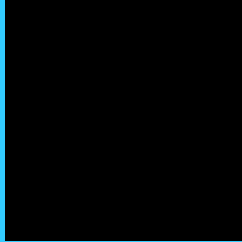
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

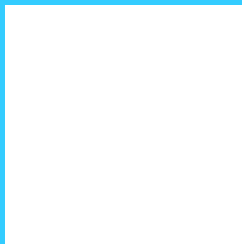
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 41.0081, 51.1095, 102.3115

## Background



This preview shows how black text looks on a background with the XYZ color 41.0081, 51.1095, 102.3115.



This preview shows how white text looks on a background with the XYZ color 41.0081, 51.1095,



# 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

41.0081, 51.1095, 102.3115

### Protanopia

50.6697, 50.3529, 90.2676

### Deuteranopia

51.5453, 50.5533, 101.6488



## Tritanopia

36.5279, 51.0919, 79.8880

# Trichromacy



## Original Color

41.0081, 51.1095, 102.3115



## Protanomaly

44.7578, 49.4609, 94.3767



## Deuteranomaly

45.5774, 49.7199, 101.8025



## Tritanomaly

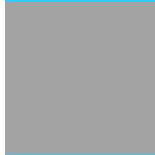
37.8674, 50.8785, 87.9455

# Monochromacy



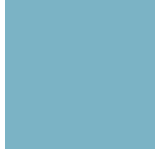
## Original Color

41.0081, 51.1095, 102.3115



## Achromatopsia

35.2861, 37.1238, 40.4278



## Achromatomaly

34.3665, 40.4824, 58.8259

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 41.0081, 51.1095, 102.3115 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, 204, 255)` looks like.

```
.text, #text, p{  
    color:rgb(51, 204, 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, 204, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 204, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 41.0081, 51.1095, 102.3115 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, 204, 255) }
```



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

```
.border{ border-color:rgb(51, 204, 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, 204, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 204, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 204, 255);  
box-shadow:4px 4px 4px 4px rgb(51, 204,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 41.0081, 51.1095, 102.3115 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 204, 255) }
```

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

```
.background{ background-color: rgb(51, 204,  
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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