

# Converting Colors

XYZ(41.0961, 52.7892,  
102.6311)

Have a look what the booklet for  
XYZ(41.0961, 52.7892, 102.6311)  
contains.

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# Color

**XYZ(41.2038, 53.0031,  
102.6667)**

# Conversions

## Conversions Part 1

Format	Color
Hex	17D1FF
RGB	23, 209, 255
RGB Percent	9%, 82%, 100%
CMY	0.9096, 0.1804, 0.0000
CMYK	0.91, 0.18, 0.00, 0.00
HSL	192°, 100%, 55%
HSV	192°, 91%, 100%
XYZ	41.2038, 53.0031, 102.6667
YIQ	158.6300, -125.6220, -25.1260

# Conversions

## Conversions Part 2

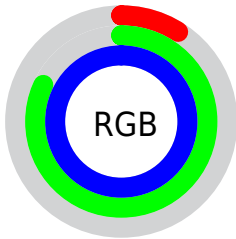
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	23, 126, 255
Decimal	1561087
CIE <sub>Lab</sub>	77.88, -26.23, -34.26
CIE <sub>LCh</sub>	78, 43.147, 232.569
Yxy	53.0031, 0.2093, 0.2692
Android (android.graphics.Color)	4279751167 (0xFF17D1FF)
YUV	158.6300, 47.5104, -118.9475
Hunter-Lab	72.8032, -26.3816, -32.6482

# Details

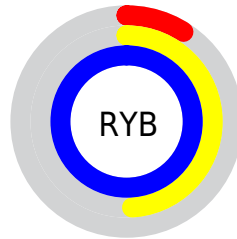
The XYZ color **41.2038, 53.0031, 102.6667** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light washed cyan. A complement of this color would be **43.5255, 25.5829, 3.4567**, and the grayscale version is **32.6232, 34.3221, 37.3768**.

A 20% lighter version of the original color is **61.4177, 82.6619, 107.3260**, and **21.7486, 27.1884, 57.5277** is the 20% darker color. If you saturate the color by 10%, you get **39.7461, 50.6122, 102.2820**, and if you desaturate by 10%, it is **43.3561, 55.9847, 103.1288**.

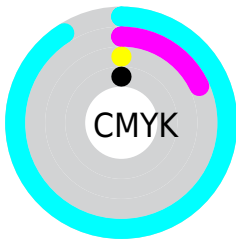
# Distribution



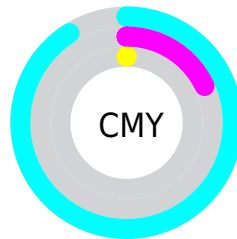
- Red (9%)
- Green (82%)
- Blue (100%)



- Red (9%)
- Yellow (49%)
- Blue (100%)



- Cyan (91%)
- Magenta (18%)
- Yellow (0%)
- Black (0%)



- Cyan (91%)
- Magenta (18%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 41.2038, 53.0031, 102.6667 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 41.2038, 53.0031, 102.6667 by changing the saturation by 10% instead.



41.2038, 53.0031,  
102.6667

41.2038, 53.0031,  
102.6667

342.2197,  
398.2970, 590.0285

28.6667, 37.8052,  
77.9002

76.2659, 94.6089,  
166.9008

18.9719, 25.8316,  
57.4761

99.5217, 121.7857,  
207.2055

11.7538, 16.6977,  
40.9757

127.0811,  
153.7242, 253.5266

6.6473, 10.0192,  
27.9805

159.3095,  
190.8089, 306.2828

3.2869, 5.4117,  
18.0721

196.5721,  
233.4241, 365.8925

1.3072, 2.4908,  
10.8318

239.2345,

0.1886, 0.8720,

281.9543, 432.7744

5.8411

287.6619,  
336.7838, 507.3468

■ 0.0000, 0.0000,  
2.6815

■ 0.0000, 0.0000,  
0.9341

■ 41.2038, 53.0031,  
102.6667

■ 41.2038, 53.0031,  
102.6667

■ 39.7461, 50.6122,  
102.2820

■ 43.3561, 55.9847,  
103.1288

■ 46.2389, 59.4010,  
103.6362

■ 49.9569, 63.3073,  
104.1943

■ 54.5961, 67.7485,  
104.8070

■ 60.2316, 72.7639,  
105.4780

■ 66.9304, 78.3885,  
106.2106

■ 74.7538, 84.6543,  
107.0077

■ 83.7580, 91.5908,  
107.8720

■ 93.9954, 99.2257,  
108.8061

# Harmonies

## Analogous

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



36.9137, 53.0031, 77.2987



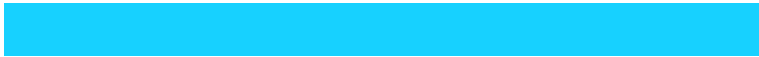
41.2038, 53.0031, 102.6667



48.3221, 53.0031, 116.6409

# Triad

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



41.2038, 53.0031, 102.6667



68.1072, 53.0031, 63.8890



44.4426, 53.0031, 24.7226

# Complementary

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



41.2038, 53.0031, 102.6667



43.5255, 25.5829, 3.4567

# 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.



52.4911, 53.0031, 22.9771



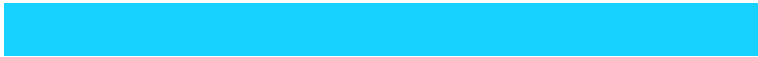
41.2038, 53.0031, 102.6667



66.7726, 53.0031, 41.7485

# Square

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



41.2038, 53.0031, 102.6667



64.2890, 53.0031, 90.5549



60.8216, 53.0031, 28.2724

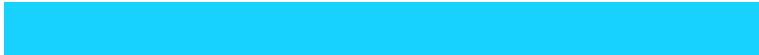


38.6338, 53.0031, 33.9585



# Rectangle

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



41.2038, 53.0031, 102.6667



53.9667, 53.0031, 115.4964



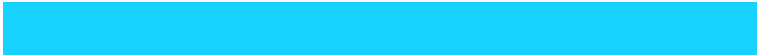
60.8216, 53.0031, 28.2724



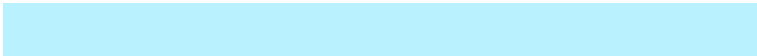
46.9517, 53.0031, 23.3681

# Sweetspot

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



41.2054, 53.0049, 102.6670



69.8943, 80.7942, 106.5188



37.0849, 72.0909, 17.0478



14.4116, 16.8485, 22.7425



0.0000, 0.0000, 0.0000

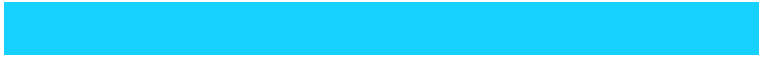


20.3446, 21.4041, 23.3091

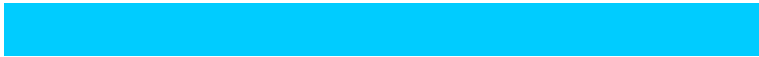


# Same Dimension

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



41.2054, 53.0049, 102.6670



39.7461, 50.6122, 102.2820



22.6324, 15.8588, 96.4759



18.2309, 19.8334, 23.1173



20.8761, 26.6617, 53.4805



2.1069, 2.7445, 5.2320



# Inverse Universe

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



53.0562, 26.4780, 62.6377



52.1912, 25.6405, 59.5982



58.0302, 54.5923, 8.2916



18.6292, 18.2350, 21.9304



27.3255, 13.4195, 31.4281

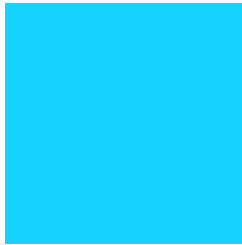


2.6981, 1.3216, 3.2574



# Previews

## White Background



This preview shows how the XYZ color 41.2038, 53.0031, 102.6667 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

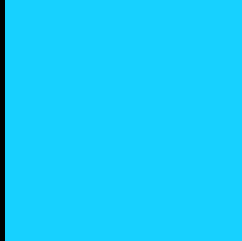
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 41.2038, 53.0031, 102.6667 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

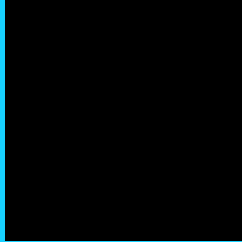
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 41.2038, 53.0031, 102.6667

## Background



This preview shows how black text looks on a background with the XYZ color 41.2038, 53.0031, 102.6667.



This preview shows how white text looks on a background with the XYZ color 41.2038, 53.0031,



# 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

41.2038, 53.0031, 102.6667

### Protanopia

52.2859, 52.1514, 89.7485

### Deuteranopia

53.2609, 52.3858, 101.9121



## Tritanopia

37.6863, 52.7441, 82.3231

# Trichromacy



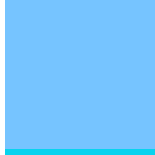
## Original Color

41.2038, 53.0031, 102.6667



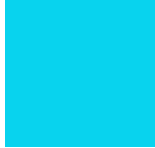
## Protanomaly

44.2474, 50.2100, 93.7456



## Deuteranomaly

45.2611, 50.5514, 101.9796



## Tritanomaly

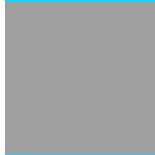
38.8270, 52.8132, 89.0365

# Monochromacy



## Original Color

41.2038, 53.0031, 102.6667



## Achromatopsia

32.9542, 34.6704, 37.7561



## Achromatomaly

31.8902, 38.6543, 56.8192

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 41.2038, 53.0031, 102.6667 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(23, 209, 255)` looks like.

```
.text, #text, p{  
    color:rgb(23, 209, 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(23, 209, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(23, 209, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 41.2038, 53.0031, 102.6667 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(23, 209, 255) }
```



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

```
.border{ border-color:rgb(23, 209, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(23, 209, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(23, 209, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(23, 209, 255);  
box-shadow:4px 4px 4px 4px rgb(23, 209,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 41.2038, 53.0031, 102.6667 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(23, 209, 255) }
```

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

```
.background{ background-color: rgb(23, 209,  
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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