

# Converting Colors

XYZ(40.9348, 51.9892,  
163.5595)

Have a look what the booklet for  
XYZ(40.9348, 51.9892, 163.5595)  
contains.

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# Color

**XYZ(41.0966, 53.3132,  
102.7322)**

# Conversions

## Conversions Part 1

Format	Color
Hex	00D2FF
RGB	0, 210, 255
RGB Percent	0%, 82%, 100%
CMY	0.9997, 0.1765, 0.0000
CMYK	1.00, 0.18, 0.00, 0.00
HSL	191°, 100%, 50%
HSV	191°, 100%, 100%
XYZ	41.0966, 53.3132, 102.7322
YIQ	152.3400, -139.6050, -30.5250

# Conversions

## Conversions Part 2

<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 115, 255
Decimal	54015
CIELab	78.06, -27.34, -33.99
CIELCh	78, 43.621, 231.186
Yxy	53.3132, 0.2085, 0.2704
Android (android.graphics.Color)	4278244095 (0xFF00D2FF)
YUV	152.3400, 50.6114, -133.6022
Hunter-Lab	73.0159, -27.3100, -32.3090

# Details

The XYZ color **41.0966, 53.3132, 102.7322** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light saturated cyan. A complement of this color would be **42.1816, 23.1426, 2.2459**, and the grayscale version is **29.8336, 31.3873, 34.1807**.

A 20% lighter version of the original color is **60.8802, 82.3848, 107.3009**, and **21.9144, 27.5199, 57.5829** is the 20% darker color. If you saturate the color by 10%, you get **41.0939, 53.3078, 102.7313**, and if you desaturate by 10%, it is **42.6395, 55.7826, 103.1275**.

# Distribution



- Red (0%)
- Green (82%)
- Blue (100%)



- Red (0%)
- Yellow (45%)
- Blue (100%)



- Cyan (100%)
- Magenta (18%)
- Yellow (0%)
- Black (0%)



- Cyan (100%)
- Magenta (18%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 41.0966, 53.3132, 102.7322 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 41.0966, 53.3132, 102.7322 by changing the saturation by 10% instead.



41.0966, 53.3132,  
102.7322

41.0966, 53.3132,  
102.7322

341.7799,  
399.4856, 590.2386

28.5826, 38.0529,  
77.9547

76.1043, 95.0651,  
166.9913

18.9080, 26.0237,  
57.5205

99.3287, 122.3254,  
207.3101

11.7074, 16.8414,  
41.0112

126.8539,  
154.3545, 253.6463

6.6155, 10.1215,  
28.0080

159.0453,  
191.5368, 306.4185

3.2670, 5.4796,  
18.0926

196.2682,  
234.2566, 366.0453

1.2965, 2.5313,  
10.8464

238.8881,

0.1806, 0.8923,

282.8985, 432.9453

5.8508

287.2702,  
337.8466, 507.5368

■ 0.0000, 0.0000,  
2.6872

■ 0.0000, 0.0000,  
0.9370

■ 41.0966, 53.3132,  
102.7322

■ 41.0966, 53.3132,  
102.7322

■ 41.0939, 53.3078,  
102.7313

■ 42.6395, 55.7826,  
103.1275

■ 44.7519, 58.5913,  
103.5583

■ 47.5995, 61.8263,  
104.0327

■ 51.2835, 65.5399,  
104.5553

■ 55.8883, 69.7761,  
105.1302

■ 61.4881, 74.5734,  
105.7611

■ 68.1492, 79.9664,  
106.4510

■ 75.9320, 85.9866,  
107.2028

■ 84.8924, 92.6631,  
108.0192

# Harmonies

## Analogous

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



36.9008, 53.3132, 76.6769



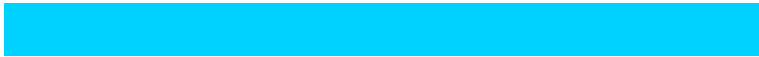
41.0966, 53.3132, 102.7322



48.2076, 53.3132, 117.7324

# Triad

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



41.0966, 53.3132, 102.7322



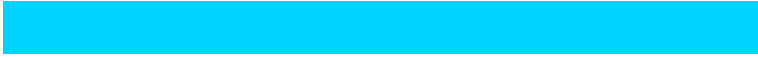
68.6149, 53.3132, 65.5263



44.9884, 53.3132, 24.4110

# Complementary

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



41.0966, 53.3132, 102.7322



42.1816, 23.1426, 2.2459

# 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.



53.2203, 53.3132, 22.9735



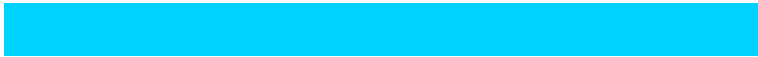
41.0966, 53.3132, 102.7322



67.5042, 53.3132, 42.7125

# Square

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



41.0966, 53.3132, 102.7322



64.5153, 53.3132, 92.6377



61.6313, 53.3132, 28.6653

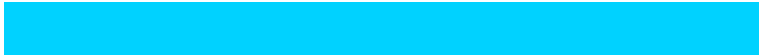


38.9668, 53.3132, 33.3604



# Rectangle

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



41.0966, 53.3132, 102.7322



53.9123, 53.3132, 117.1937



61.6313, 53.3132, 28.6653



47.5653, 53.3132, 23.1555

# Sweetspot

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



41.0982, 53.3150, 102.7325



68.1276, 79.9493, 106.4488



36.1890, 71.6917, 14.1743



13.9527, 16.6099, 22.7206



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.



41.0982, 53.3150, 102.7325



41.0939, 53.3078, 102.7313



21.3035, 13.7255, 96.1342



18.2661, 19.9038, 23.1290



21.5719, 28.0533, 53.7125



2.1686, 2.8679, 5.2525



# Inverse Universe

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



52.8740, 25.9149, 63.1898



52.8715, 25.9126, 63.1807



55.6199, 50.0192, 6.7254



18.6470, 18.2421, 22.0240



27.6767, 13.5600, 33.2775



2.7292, 1.3341, 3.4215



# Previews

## White Background



This preview shows how the XYZ color 41.0966, 53.3132, 102.7322 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

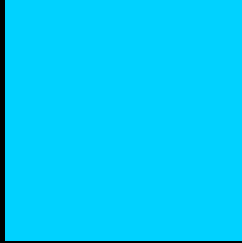
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 41.0966, 53.3132, 102.7322 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 41.0966, 53.3132, 102.7322

## Background



This preview shows how black text looks on a background with the XYZ color 41.0966, 53.3132, 102.7322.



This preview shows how white text looks on a background with the XYZ color 41.0966, 53.3132,



# 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

41.0966, 53.3132, 102.7322

### Protanopia

52.7320, 52.7019, 89.8313

### Deuteranopia

53.4812, 52.4994, 101.9224



## Tritanopia

38.0772, 53.3017, 83.1443

# Trichromacy



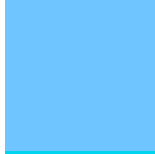
## Original Color

41.0966, 53.3132, 102.7322



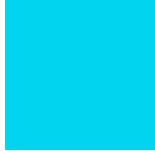
## Protanomaly

43.3871, 50.1025, 93.7702



## Deuteranomaly

44.4467, 50.4675, 102.0064



## Tritanomaly

39.1235, 53.3190, 89.8909

# Monochromacy



## Original Color

41.0966, 53.3132, 102.7322



## Achromatopsia

29.8446, 31.3989, 34.1934



## Achromatomaly

29.0586, 36.1027, 53.5811

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 41.0966, 53.3132, 102.7322 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(0, 210, 255)` looks like.

```
.text, #text, p{  
    color:rgb(0, 210, 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(0, 210, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 210, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 41.0966, 53.3132, 102.7322 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(0, 210, 255) }
```



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

```
.border{ border-color:rgb(0, 210, 255) }
```

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

Here you see how a box with a 4 pixel rgb(0, 210, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 210, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 210, 255);  
box-shadow:4px 4px 4px 4px rgb(0, 210,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 41.0966, 53.3132, 102.7322 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 210, 255) }
```

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

```
.background{ background-color: rgb(0, 210,  
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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