

Converting Colors

XYZ(48.7669, 56.1762,
160.4354)

Have a look what the booklet for
XYZ(48.7669, 56.1762, 160.4354)
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

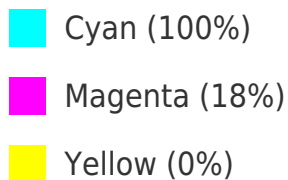
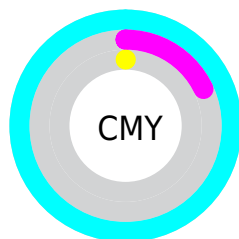
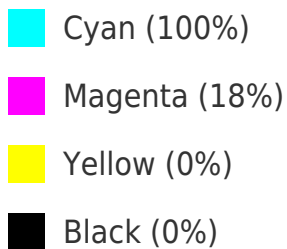
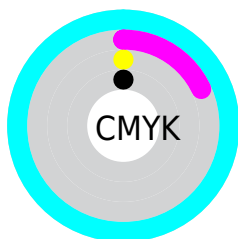
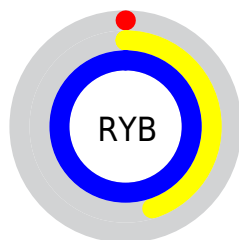
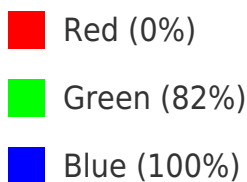
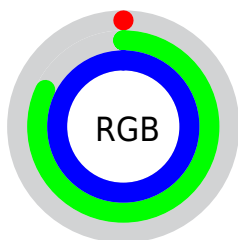
Format	Color
RYB	0, 115, 255
Decimal	54015
CIELab	78.06, -27.34, -33.99
CIELCh	78, 43.621, 231.186
Yxy	53.3132, 0.2085, 0.2704
Android (android.graphics.Color)	4278244095 (0xFF00D2FF)
YUV	152.3400, 50.6114, -133.6022
Hunter-Lab	73.0159, -27.3100, -32.3090

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




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

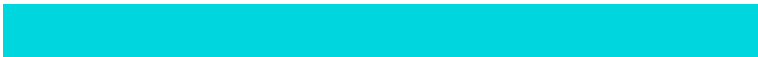
■ 75.9320, 85.9866,
107.2028

■ 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



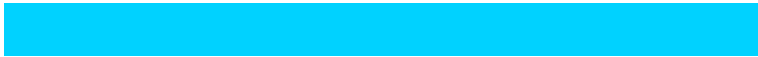
41.0966, 53.3132, 102.7322



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



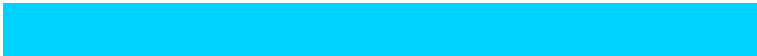
20.3446, 21.4041, 23.3091

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



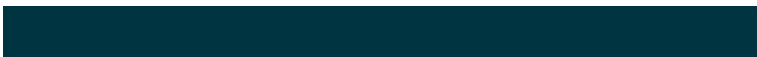
21.3035, 13.7255, 96.1342



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



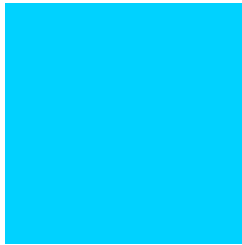
27.6767, 13.5600, 33.2775



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

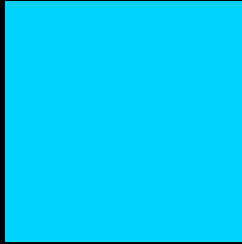
Large Text (above 18pt) WCAG AA × Fail

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

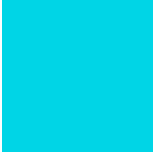
41.0966, 53.3132, 102.7322

Protanopia

52.7320, 52.7019, 89.8313

Deuteranopia

53.4812, 52.4994, 101.9224





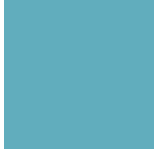
Tritanopia

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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