

Converting Colors

XYZ(31.6061, 40.2082, 92.5111)

Have a look what the booklet for
XYZ(31.6061, 40.2082, 92.5111)
contains.

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Color

**XYZ(33.8304, 41.2905,
92.5730)**

Conversions

Conversions Part 1

Format	Color
Hex	00B9F5
RGB	0, 185, 245
RGB Percent	0%, 73%, 96%
CMY	0.9997, 0.2745, 0.0392
CMYK	1.00, 0.24, 0.00, 0.04
HSL	195°, 100%, 48%
HSV	195°, 100%, 96%
XYZ	33.8304, 41.2905, 92.5730
YIQ	136.5250, -129.5200, -20.5600

Conversions

Conversions Part 2

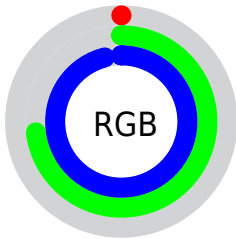
Format	Color
RYB	0, 105, 245
Decimal	47605
CIELab	70.38, -17.98, -40.54
CIELCh	70, 44.347, 246.084
Yxy	41.2905, 0.2017, 0.2462
Android (android.graphics.Color)	4278237685 (0xFF00B9F5)
YUV	136.5250, 53.4782, -119.7324
Hunter-Lab	64.2577, -18.4742, -40.4359

Details

The XYZ color **33.8304, 41.2905, 92.5730** is a dark color, and the websafe version is hex **33CCFF**. The color can be described as middle saturated azure. A complement of this color would be **39.2764, 22.6518, 2.3042**, and the grayscale version is **23.4473, 24.6684, 26.8639**.

A 20% lighter version of the original color is **56.0608, 73.5101, 105.8419**, and **17.3284, 20.1334, 50.5498** is the 20% darker color. If you saturate the color by 10%, you get **33.8274, 41.2842, 92.5728**, and if you desaturate by 10%, it is **35.5036, 44.0571, 93.0197**.

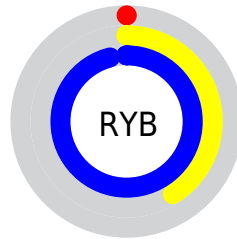
Distribution



Red (0%)

Green (73%)

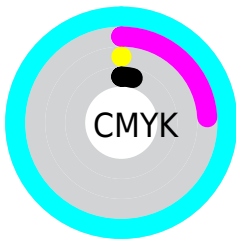
Blue (96%)



Red (0%)

Yellow (41%)

Blue (96%)

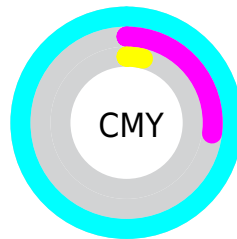


Cyan (100%)

Magenta (24%)

Yellow (0%)

Black (4%)



Cyan (100%)

Magenta (27%)

Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.8304, 41.2905, 92.5730 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 33.8304, 41.2905, 92.5730 by changing the saturation by 10% instead.

■ 33.8304, 41.2905,
92.5730

■ 33.8304, 41.2905,
92.5730

310.9744,
351.5333, 557.1503

■ 22.9256, 28.5461,
69.5310

■ 65.0159, 77.1247,
152.8739

■ 14.6590, 18.7378,
50.6698

■ 86.0273, 100.9833,
190.9698

■ 8.6652, 11.4809,
35.5710

■ 111.1383,
129.3155, 234.9208

■ 4.5788, 6.3913,
23.8160

■ 140.7142,
162.5056, 285.1454

■ 2.0345, 3.0844,
14.9862

■ 175.1204,
200.9380, 342.0621

■ 0.6532, 1.1760,
8.6632

214.7223,

■ 0.0000, 0.0420,

244.9972, 406.0894

4.4284

259.8852,
295.0675, 477.6460

■ 0.0000, 0.0000,
1.8632

■ 0.0000, 0.0000,
0.4691

■ 33.8304, 41.2905,
92.5730

■ 33.8304, 41.2905,
92.5730

■ 33.8274, 41.2842,
92.5728

■ 35.5036, 44.0571,
93.0197

■ 37.7191, 47.1823,
93.5061

■ 40.6303, 50.7467,
94.0407

■ 44.3288, 54.7984,
94.6278

■ 48.8918, 59.3781,
95.2713

■ 54.3865, 64.5214,
95.9744

■ 60.8737, 70.2604,
96.7403

■ 68.4083, 76.6243,
97.5715

■ 77.0414, 83.6404,
98.4707

Harmonies

Analogous

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



28.9681, 41.2905, 73.0039



33.8304, 41.2905, 92.5730



40.7505, 41.2905, 97.8865

Triad

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



33.8304, 41.2905, 92.5730



54.9067, 41.2905, 40.8346



31.5518, 41.2905, 19.6852

Complementary

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



33.8304, 41.2905, 92.5730



39.2764, 22.6518, 2.3042

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.



37.7777, 41.2905, 15.6801



33.8304, 41.2905, 92.5730



51.7045, 41.2905, 25.2099

Square

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



33.8304, 41.2905, 92.5730



53.5113, 41.2905, 63.2845



45.2094, 41.2905, 17.3314



27.7711, 41.2905, 30.5631

Rectangle

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



33.8304, 41.2905, 92.5730



45.7399, 41.2905, 91.5374



45.2094, 41.2905, 17.3314



33.3967, 41.2905, 17.6738

Sweetspot

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



33.8319, 41.2919, 92.5740



66.5955, 76.8852, 105.9381



33.3977, 65.6035, 14.8024



13.5834, 15.8713, 22.5975



0.0000, 0.0000, 0.0000



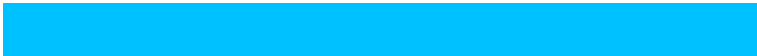
20.3446, 21.4041, 23.3091

Same Dimension

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



33.8319, 41.2919, 92.5740



37.0172, 45.1544, 101.3724



18.3950, 10.4181, 87.4284



16.6328, 18.0298, 21.1460



18.3376, 22.4689, 49.9085



1.6916, 2.1347, 4.4131

Inverse Universe

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



46.4145, 22.9171, 47.8772



50.8138, 25.0895, 52.3448



53.9149, 51.9288, 7.1837



17.0300, 16.6948, 19.9044



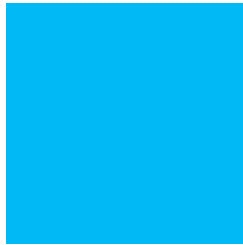
25.0605, 12.3676, 26.0905



2.2429, 1.1031, 2.5056

Previews

White Background



This preview shows how the XYZ color 33.8304, 41.2905, 92.5730 looks on a white background.

Color Contrast Check

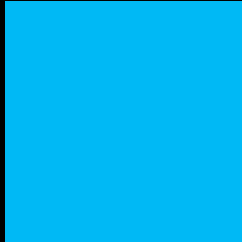
Large Text (above 18pt) WCAG AA × Fail

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 33.8304, 41.2905, 92.5730 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

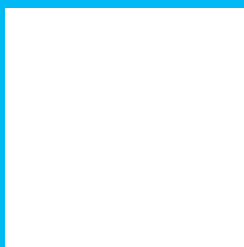
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 33.8304, 41.2905, 92.5730

Background



This preview shows how black text looks on a background with the XYZ color 33.8304, 41.2905, 92.5730.

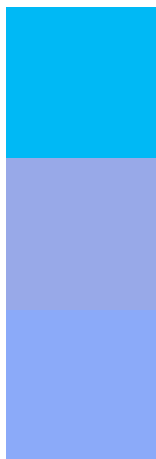


This preview shows how white text looks on a background with the XYZ color 33.8304, 41.2905,

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

33.8304, 41.2905, 92.5730

Protanopia

41.7023, 40.8775, 82.0361

Deuteranopia

42.1211, 41.0780, 95.3314



Tritanopia

29.4329, 41.2347, 64.1654

Trichromacy



Original Color

33.8304, 41.2905, 92.5730

Protanomaly

35.5458, 39.3158, 85.8360

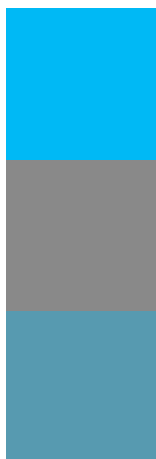
Deuteranomaly

36.2978, 39.5120, 94.5204

Tritanomaly

30.9015, 41.1337, 74.0211

Monochromacy



Original Color

33.8304, 41.2905, 92.5730

Achromatopsia

23.7775, 25.0158, 27.2422

Achromatomaly

23.3226, 28.2720, 45.3021

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.8304, 41.2905, 92.5730 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, 185, 245)` looks like.

```
.text, #text, p{  
    color:rgb(0, 185, 245)  
}
```

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, 185, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 185, 245) }
```

Border

The CSS property to change the border of an element to XYZ 33.8304, 41.2905, 92.5730 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, 185, 245) }
```


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

```
.border{ border-color:rgb(0, 185, 245) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 185, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 185, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 185, 245);  
box-shadow:4px 4px 4px 4px rgb(0, 185,  
245) }
```

Background

The CSS property to change the background color of an element to XYZ 33.8304, 41.2905, 92.5730 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 185, 245) }
```

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

```
.background{ background-color: rgb(0, 185,  
245) }
```

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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