

Converting Colors

XYZ(19.8645, 39.2458, 93.5387)

Have a look what the booklet for
XYZ(19.8645, 39.2458, 93.5387)
contains.

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Color

**XYZ(37.5212, 48.4271,
94.5586)**

Conversions

Conversions Part 1

Format	Color
Hex	00C9F6
RGB	0, 201, 246
RGB Percent	0%, 79%, 96%
CMY	0.9997, 0.2118, 0.0353
CMYK	1.00, 0.18, 0.00, 0.04
HSL	191°, 100%, 48%
HSV	191°, 100%, 96%
XYZ	37.5212, 48.4271, 94.5586
YIQ	146.0310, -134.2410, -28.6170

Conversions

Conversions Part 2

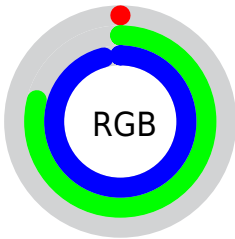
Format	Color
RYB	0, 111, 246
Decimal	51702
CIELab	75.09, -25.86, -33.76
CIELCh	75, 42.521, 232.550
Yxy	48.4271, 0.2079, 0.2683
Android (android.graphics.Color)	4278241782 (0xFF00C9F6)
YUV	146.0310, 49.2847, -128.0692
Hunter-Lab	69.5896, -25.5384, -31.8508

Details

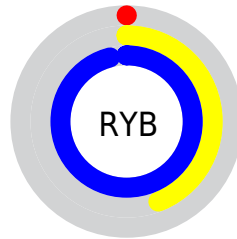
The XYZ color **37.5212, 48.4271, 94.5586** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light saturated cyan. A complement of this color would be **38.9479, 21.4753, 2.0944**, and the grayscale version is **27.1874, 28.6032, 31.1489**.

A 20% lighter version of the original color is **60.6201, 82.2507, 107.2887**, and **19.7280, 24.5851, 52.4208** is the 20% darker color. If you saturate the color by 10%, you get **37.5189, 48.4223, 94.5588**, and if you desaturate by 10%, it is **38.9796, 50.7604, 94.9331**.

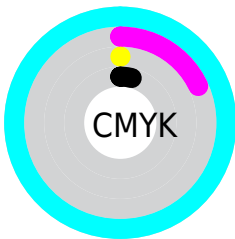
Distribution



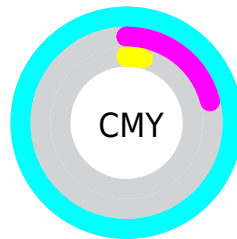
- Red (0%)
- Green (79%)
- Blue (96%)



- Red (0%)
- Yellow (44%)
- Blue (96%)



- Cyan (100%)
- Magenta (18%)
- Yellow (0%)
- Black (4%)



- Cyan (100%)
- Magenta (21%)
- Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.5212, 48.4271, 94.5586 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 37.5212, 48.4271, 94.5586 by changing the saturation by 10% instead.

37.5212, 48.4271,
94.5586

37.5212, 48.4271,
94.5586

326.8780,
380.4826, 563.6991

25.7868, 34.1652,
71.1728

70.6823, 87.8400,
155.6450

16.7961, 23.0206,
52.0005

92.8397, 113.7598,
194.1826

10.1836, 14.6087,
36.6232

119.2022,
144.3343, 238.6080

5.5841, 8.5452,
24.6224

150.1351,
179.9481, 289.3396

2.6321, 4.4458,
15.5795

186.0038,
220.9854, 346.7959

0.9623, 1.9259,
9.0760

227.1736,

0.0000, 0.5639,

267.8306, 411.3956

4.6933

274.0099,
320.8682, 483.5572

■ 0.0000, 0.0000,
2.0129

■ 0.0000, 0.0000,
0.5632

■ 37.5212, 48.4271,
94.5586

■ 37.5212, 48.4271,
94.5586

■ 37.5189, 48.4223,
94.5588

■ 38.9796, 50.7604,
94.9331

■ 40.9623, 53.4092,
95.3398

■ 43.6237, 56.4543,
95.7873

■ 47.0561, 59.9436,
96.2799

■ 51.3370, 63.9175,
96.8213

■ 56.5341, 68.4112,
97.4148

■ 62.7082, 73.4565,
98.0632

■ 69.9147, 79.0821,
98.7693

■ 78.2048, 85.3149,
99.5354

Harmonies

Analogous

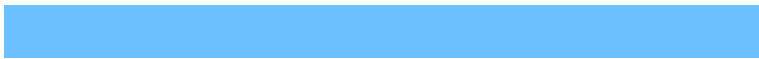
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



33.5533, 48.4271, 70.9161



37.5212, 48.4271, 94.5586



44.1166, 48.4271, 107.6130

Triad

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



37.5212, 48.4271, 94.5586



62.5051, 48.4271, 58.4793



40.5289, 48.4271, 22.2420

Complementary

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



37.5212, 48.4271, 94.5586



38.9479, 21.4753, 2.0944

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.



47.9949, 48.4271, 20.6437



37.5212, 48.4271, 94.5586



61.2662, 48.4271, 37.9518

Square

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



37.5212, 48.4271, 94.5586



58.9498, 48.4271, 83.2927



55.7334, 48.4271, 25.5138



35.1484, 48.4271, 30.7392

Rectangle

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



37.5212, 48.4271, 94.5586



49.3548, 48.4271, 106.5520



55.7334, 48.4271, 25.5138



42.8551, 48.4271, 20.9998

Sweetspot

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



37.5228, 48.4288, 94.5598



67.9811, 79.6563, 106.4000



33.3583, 66.0733, 13.0985



13.9173, 16.5392, 22.7088



0.0000, 0.0000, 0.0000



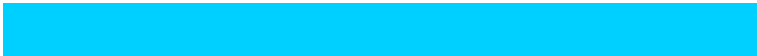
20.3446, 21.4041, 23.3091

Same Dimension

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



37.5228, 48.4288, 94.5598



40.6893, 52.4986, 102.5964



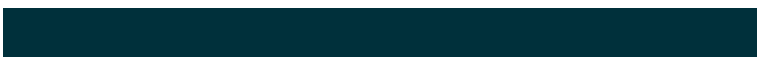
19.6565, 12.6961, 88.6044



16.7238, 18.2119, 21.1764



20.1217, 26.0371, 50.5032



1.8340, 2.4194, 4.4606

Inverse Universe

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



48.5501, 23.8118, 57.2971



52.6673, 25.8309, 62.1052



51.2867, 46.1529, 6.2073



17.0759, 16.7132, 20.1464



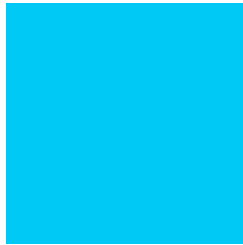
25.9610, 12.7278, 30.8326



2.3148, 1.1319, 2.8840

Previews

White Background



This preview shows how the XYZ color 37.5212, 48.4271, 94.5586 looks on a white background.

Color Contrast Check

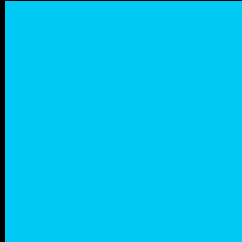
Large Text (above 18pt) WCAG AA × Fail

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 37.5212, 48.4271, 94.5586 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

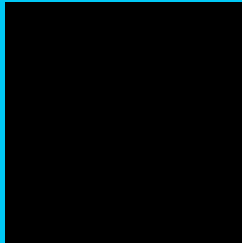
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 37.5212, 48.4271, 94.5586

Background



This preview shows how black text looks on a background with the XYZ color 37.5212, 48.4271, 94.5586.

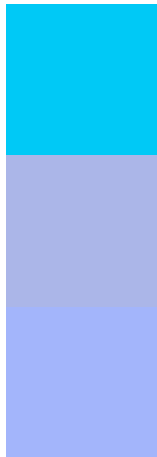


This preview shows how white text looks on a background with the XYZ color 37.5212, 48.4271,

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

37.5212, 48.4271, 94.5586

Protanopia

48.0880, 47.9400, 83.0628

Deuteranopia

49.0407, 47.7993, 97.9083



Tritanopia

34.5111, 48.3530, 75.2243

Trichromacy



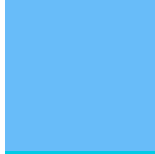
Original Color

37.5212, 48.4271, 94.5586



Protanomaly

39.7903, 45.7608, 86.8563



Deuteranomaly

40.7910, 45.7490, 96.3031



Tritanomaly

35.4988, 48.3690, 81.5939

Monochromacy



Original Color

37.5212, 48.4271, 94.5586



Achromatopsia

27.3213, 28.7441, 31.3023



Achromatomaly

26.5939, 32.9770, 49.2195

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.5212, 48.4271, 94.5586 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, 201, 246)` looks like.

```
.text, #text, p{  
    color:rgb(0, 201, 246)  
}
```

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, 201, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 201, 246) }
```

Border

The CSS property to change the border of an element to XYZ 37.5212, 48.4271, 94.5586 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, 201, 246) }
```


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

```
.border{ border-color:rgb(0, 201, 246) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 201, 246)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 201, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 201, 246);  
box-shadow:4px 4px 4px 4px rgb(0, 201,  
246) }
```

Background

The CSS property to change the background color of an element to XYZ 37.5212, 48.4271, 94.5586 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 201, 246) }
```

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

```
.background{ background-color: rgb(0, 201,  
246) }
```

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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