

Converting Colors

XYZ(34.8286, 46.5450, 95.6641)

Have a look what the booklet for
XYZ(34.8286, 46.5450, 95.6641)
contains.

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Color

**XYZ(37.5976, 48.0859,
96.1068)**

Conversions

Conversions Part 1

Format	Color
Hex	00C8F8
RGB	0, 200, 248
RGB Percent	0%, 78%, 97%
CMY	0.9997, 0.2157, 0.0274
CMYK	1.00, 0.19, 0.00, 0.03
HSL	192°, 100%, 49%
HSV	192°, 100%, 97%
XYZ	37.5976, 48.0859, 96.1068
YIQ	145.6720, -134.6080, -27.4720

Conversions

Conversions Part 2

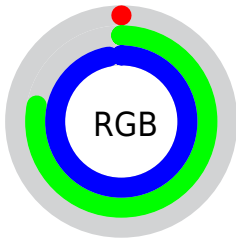
Format	Color
RYB	0, 111, 248
Decimal	51448
CIELab	74.88, -24.68, -35.16
CIELCh	75, 42.960, 234.932
Yxy	48.0859, 0.2068, 0.2645
Android (android.graphics.Color)	4278241528 (0xFF00C8F8)
YUV	145.6720, 50.4477, -127.7543
Hunter-Lab	69.3440, -24.5711, -33.6317

Details

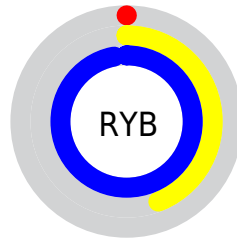
The XYZ color **37.5976, 48.0859, 96.1068** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light saturated cyan. A complement of this color would be **39.7722, 22.0768, 2.1672**, and the grayscale version is **27.0370, 28.4450, 30.9766**.

A 20% lighter version of the original color is **60.6201, 82.2507, 107.2887**, and **19.6829, 24.3194, 52.9469** is the 20% darker color. If you saturate the color by 10%, you get **37.5949, 48.0803, 96.1068**, and if you desaturate by 10%, it is **39.1257, 50.5513, 96.5031**.

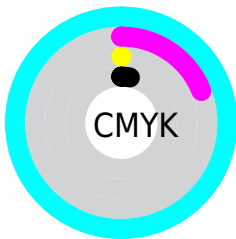
Distribution



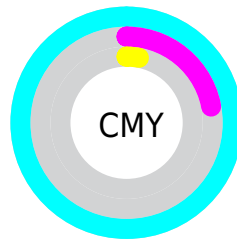
- Red (0%)
- Green (78%)
- Blue (97%)



- Red (0%)
- Yellow (44%)
- Blue (97%)



- Cyan (100%)
- Magenta (19%)
- Yellow (0%)
- Black (3%)



- Cyan (100%)
- Magenta (22%)
- Yellow (3%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.5976, 48.0859, 96.1068 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 37.5976, 48.0859, 96.1068 by changing the saturation by 10% instead.

37.5976, 48.0859,
96.1068

37.5976, 48.0859,
96.1068

327.2014,
379.1325, 568.7768

25.8463, 33.8949,
72.4545

70.7988, 87.3323,
157.8015

16.8408, 22.8129,
53.0410

92.9795, 113.1565,
196.6811

10.2156, 14.4554,
37.4475

119.3673,
143.6272, 241.4734

5.6055, 8.4381,
25.2557

150.3277,
179.1288, 292.5972

2.6451, 4.3765,
16.0469

186.2259,
220.0458, 350.4709

0.9690, 1.8863,
9.4026

227.4273,

0.0000, 0.5401,

266.7625, 415.5130

4.9043

274.2974,
319.6632, 488.1422

■ 0.0000, 0.0000,
2.1335

■ 0.0000, 0.0000,
0.6356

■ 37.5976, 48.0859,
96.1068

■ 37.5976, 48.0859,
96.1068

■ 37.5949, 48.0803,
96.1068

■ 39.1257, 50.5513,
96.5031

■ 41.1921, 53.3457,
96.9336

■ 43.9538, 56.5513,
97.4067

■ 47.5050, 60.2171,
97.9271

■ 51.9247, 64.3843,
98.4986

■ 57.2822, 69.0891,
99.1243

■ 63.6393, 74.3637,
99.8073

■ 71.0528, 80.2379,
100.5504

■ 79.5749, 86.7389,
101.3561

Harmonies

Analogous

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



33.3795, 48.0859, 72.6905



37.5976, 48.0859, 96.1068



44.3887, 48.0859, 108.0364

Triad

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



37.5976, 48.0859, 96.1068



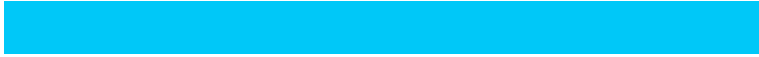
62.3785, 48.0859, 56.2544



39.6539, 48.0859, 22.2100

Complementary

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



37.5976, 48.0859, 96.1068



39.7722, 22.0768, 2.1672

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.



47.0454, 48.0859, 20.1091



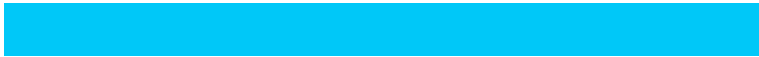
37.5976, 48.0859, 96.1068



60.7411, 48.0859, 36.2207

Square

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



37.5976, 48.0859, 96.1068



59.1496, 48.0859, 81.2028



54.8996, 48.0859, 24.4276



34.4684, 48.0859, 31.3074

Rectangle

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



37.5976, 48.0859, 96.1068



49.6895, 48.0859, 105.9656



54.8996, 48.0859, 24.4276



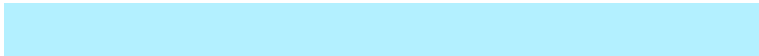
41.9379, 48.0859, 20.7963

Sweetspot

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



37.5992, 48.0876, 96.1080



67.7410, 79.1761, 106.3199



34.0526, 67.3295, 13.7374



13.8594, 16.4232, 22.6895



0.0000, 0.0000, 0.0000



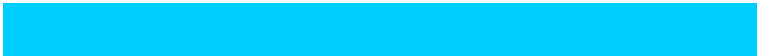
20.3446, 21.4041, 23.3091

Same Dimension

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



37.5992, 48.0876, 96.1080



40.0328, 51.1855, 102.3776



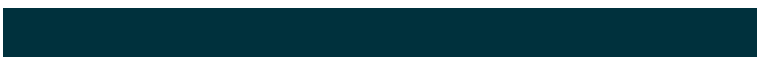
19.7105, 12.3102, 90.1451



17.4635, 19.0039, 22.1330



20.4082, 26.1720, 51.9496



1.9608, 2.5652, 4.8350

Inverse Universe

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



49.1382, 24.1285, 56.7125



52.3359, 25.6984, 60.3601



52.9918, 48.5159, 6.5737



17.8405, 17.4636, 21.0158



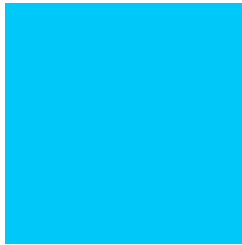
26.5931, 13.0530, 30.8956



2.4986, 1.2232, 3.0492

Previews

White Background



This preview shows how the XYZ color 37.5976, 48.0859, 96.1068 looks on a white background.

Color Contrast Check

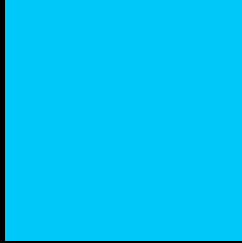
Large Text (above 18pt) WCAG AA × Fail

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 37.5976, 48.0859, 96.1068 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 37.5976, 48.0859, 96.1068

Background



This preview shows how black text looks on a background with the XYZ color 37.5976, 48.0859, 96.1068.



This preview shows how white text looks on a background with the XYZ color 37.5976, 48.0859,

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

37.5976, 48.0859, 96.1068

Protanopia

47.7373, 47.4233, 84.4795

Deuteranopia

48.7925, 47.6531, 98.7218



Tritanopia

34.1421, 47.8263, 74.4498

Trichromacy



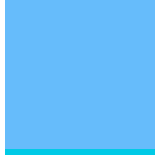
Original Color

37.5976, 48.0859, 96.1068



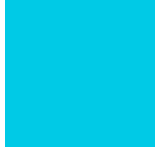
Protanomaly

39.7475, 45.3866, 88.3269



Deuteranomaly

40.8753, 45.7563, 97.9443



Tritanomaly

35.4035, 47.9542, 82.2530

Monochromacy



Original Color

37.5976, 48.0859, 96.1068



Achromatopsia

27.3213, 28.7441, 31.3023



Achromatomaly

26.6977, 33.0185, 49.7658

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.5976, 48.0859, 96.1068 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, 200, 248)` looks like.

```
.text, #text, p{  
    color:rgb(0, 200, 248)  
}
```

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, 200, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 200, 248) }
```

Border

The CSS property to change the border of an element to XYZ 37.5976, 48.0859, 96.1068 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, 200, 248) }
```


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

```
.border{ border-color:rgb(0, 200, 248) }
```

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

Here you see how a box with a 4 pixel rgb(0, 200, 248) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 200, 248); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 200, 248);  
box-shadow:4px 4px 4px 4px rgb(0, 200,  
248) }
```

Background

The CSS property to change the background color of an element to XYZ 37.5976, 48.0859, 96.1068 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 200, 248) }
```

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

```
.background{ background-color: rgb(0, 200,  
248) }
```

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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