

Converting Colors

XYZ(36.7493, 45.9151, 97.2859)

Have a look what the booklet for
XYZ(36.7493, 45.9151, 97.2859)
contains.

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Color

**XYZ(36.7704, 45.9323,
97.3703)**

Conversions

Conversions Part 1

Format	Color
Hex	00C3FA
RGB	0, 195, 250
RGB Percent	0%, 76%, 98%
CMY	0.9997, 0.2353, 0.0196
CMYK	1.00, 0.22, 0.00, 0.02
HSL	193°, 100%, 49%
HSV	193°, 100%, 98%
XYZ	36.7704, 45.9323, 97.3703
YIQ	142.9650, -133.8750, -24.2350

Conversions

Conversions Part 2

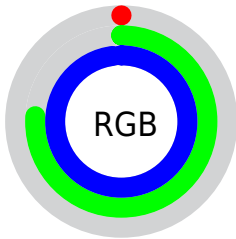
Format	Color
RYB	0, 110, 250
Decimal	50170
CIELab	73.50, -21.46, -38.37
CIELCh	74, 43.965, 240.788
Yxy	45.9323, 0.2042, 0.2551
Android (android.graphics.Color)	4278240250 (0xFF00C3FA)
YUV	142.9650, 52.7683, -125.3803
Hunter-Lab	67.7734, -21.7583, -37.7408

Details

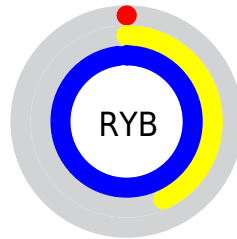
The XYZ color **36.7704, 45.9323, 97.3703** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light saturated cyan. A complement of this color would be **40.7947, 23.0635, 2.3037**, and the grayscale version is **25.9381, 27.2889, 29.7176**.

A 20% lighter version of the original color is **59.6705, 80.3515, 106.9722**, and **19.1505, 22.9000, 53.8629** is the 20% darker color. If you saturate the color by 10%, you get **36.7675, 45.9263, 97.3702**, and if you desaturate by 10%, it is **38.4293, 48.6521, 97.8088**.

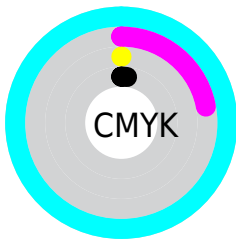
Distribution



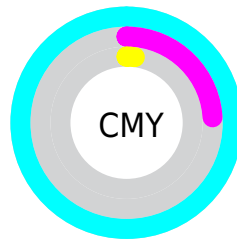
- Red (0%)
- Green (76%)
- Blue (98%)



- Red (0%)
- Yellow (43%)
- Blue (98%)



- Cyan (100%)
- Magenta (22%)
- Yellow (0%)
- Black (2%)





- Cyan (100%)
- Magenta (24%)
- Yellow (2%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.7704, 45.9323, 97.3703 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 36.7704, 45.9323, 97.3703 by changing the saturation by 10% instead.


 36.7704, 45.9323,
97.3703


 36.7704, 45.9323,
97.3703


323.6882,
370.5364, 572.9028


 25.2026, 32.1924,
73.5016


 69.5356, 84.1177,
159.5589


 16.3576, 21.5085,
53.8919

 91.4638, 109.3319,
198.7158


 9.8700, 13.4962,
38.1227


 117.5762,
139.1398, 243.8059

 5.3745, 7.7711,
25.7753

 148.2381,
173.9256, 295.2477

 2.5056, 3.9488,
16.4314

 183.8149,
214.0737, 353.4598

 0.8981, 1.6450,
9.6723

224.6720,

 0.0000, 0.3876,

259.9687, 418.8606

5.0795

271.1746,
311.9948, 491.8687

■ 0.0000, 0.0000,
2.2344

■ 0.0000, 0.0000,
0.6941

■ 36.7704, 45.9323,
97.3703

■ 36.7704, 45.9323,
97.3703

■ 36.7675, 45.9263,
97.3702

■ 38.4293, 48.6521,
97.8088

■ 40.6470, 51.7273,
98.2855

■ 43.5832, 55.2417,
98.8091

■ 47.3340, 59.2456,
99.3842

■ 51.9804, 63.7814,
100.0148

■ 57.5931, 68.8861,
100.7043

■ 64.2354, 74.5931,
101.4558

■ 71.9651, 80.9329,
102.2721

■ 80.8357, 87.9336,
103.1558

Harmonies

Analogous

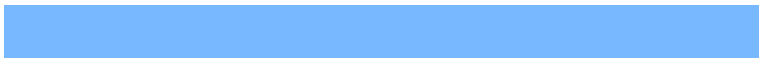
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



32.0492, 45.9323, 75.2393



36.7704, 45.9323, 97.3703



43.8629, 45.9323, 106.0886

Triad

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



36.7704, 45.9323, 97.3703



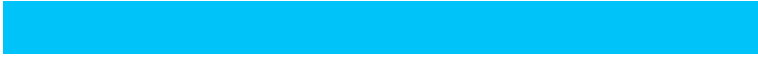
60.3472, 45.9323, 49.4268



36.4542, 45.9323, 21.5447

Complementary

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



36.7704, 45.9323, 97.3703



40.7947, 23.0635, 2.3037

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.



43.4523, 45.9323, 18.2899



36.7704, 45.9323, 97.3703



57.7761, 45.9323, 31.1676

Square

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



36.7704, 45.9323, 97.3703



58.0239, 45.9323, 73.9101



51.3545, 45.9323, 21.2110



31.8824, 45.9323, 31.9165

Rectangle

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



36.7704, 45.9323, 97.3703



49.1719, 45.9323, 101.5668



51.3545, 45.9323, 21.2110



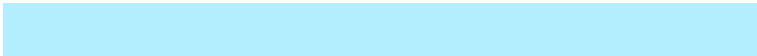
38.5712, 45.9323, 19.7480

Sweetspot

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



36.7720, 45.9339, 97.3715



67.1478, 77.9897, 106.1222



34.8580, 68.6408, 14.9294



13.7163, 16.1372, 22.6418



0.0000, 0.0000, 0.0000



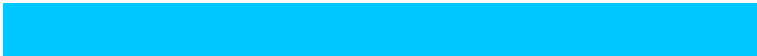
20.3446, 21.4041, 23.3091

Same Dimension

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



36.7720, 45.9339, 97.3715



38.4470, 48.0140, 101.8490



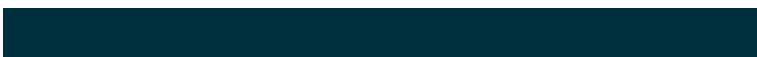
19.5024, 11.3946, 91.6149



17.4228, 18.9224, 22.1194



19.6137, 24.5830, 51.6848



1.8937, 2.4312, 4.8126

Inverse Universe

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



49.2761, 24.2660, 53.7177



51.5355, 25.3782, 56.1452



55.5829, 52.6400, 7.2331



17.8199, 17.4553, 20.9075



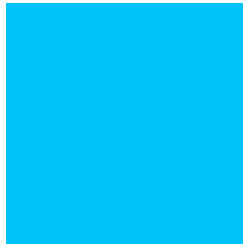
26.1921, 12.8926, 28.7838



2.4648, 1.2097, 2.8710

Previews

White Background



This preview shows how the XYZ color 36.7704, 45.9323, 97.3703 looks on a white background.

Color Contrast Check

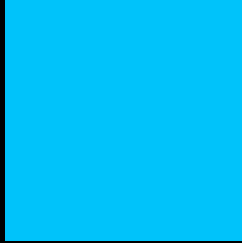
Large Text (above 18pt) WCAG AA × Fail

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 36.7704, 45.9323, 97.3703 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 36.7704, 45.9323, 97.3703

Background



This preview shows how black text looks on a background with the XYZ color 36.7704, 45.9323, 97.3703.



This preview shows how white text looks on a background with the XYZ color 36.7704, 45.9323,

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

36.7704, 45.9323, 97.3703

Protanopia

45.9667, 45.2869, 85.6754

Deuteranopia

46.5604, 45.2754, 100.0510



Tritanopia

32.6892, 45.7531, 71.3983

Trichromacy



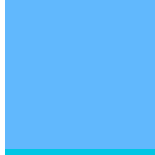
Original Color

36.7704, 45.9323, 97.3703



Protanomaly

38.7266, 43.5749, 89.5888



Deuteranomaly

39.7999, 43.9142, 99.3071



Tritanomaly

34.1977, 45.9896, 80.4733

Monochromacy



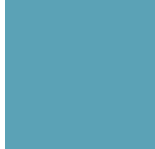
Original Color

36.7704, 45.9323, 97.3703



Achromatopsia

26.1081, 27.4677, 29.9124



Achromatomaly

25.6782, 31.4422, 48.9715

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.7704, 45.9323, 97.3703 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, 195, 250)` looks like.

```
.text, #text, p{  
    color:rgb(0, 195, 250)  
}
```

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, 195, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 195, 250) }
```

Border

The CSS property to change the border of an element to XYZ 36.7704, 45.9323, 97.3703 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, 195, 250) }
```


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

```
.border{ border-color:rgb(0, 195, 250) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 195, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 195, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 195, 250);  
box-shadow:4px 4px 4px 4px rgb(0, 195,  
250) }
```

Background

The CSS property to change the background color of an element to XYZ 36.7704, 45.9323, 97.3703 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 195, 250) }
```

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

```
.background{ background-color: rgb(0, 195,  
250) }
```

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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