

Converting Colors

XYZ(37.4596, 49.2669, 89.7409)

Have a look what the booklet for
XYZ(37.4596, 49.2669, 89.7409)
contains.

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Color

**XYZ(37.4608, 49.1973,
89.9597)**

Conversions

Conversions Part 1

Format	Color
Hex	18CBF0
RGB	24, 203, 240
RGB Percent	9%, 80%, 94%
CMY	0.9057, 0.2039, 0.0588
CMYK	0.90, 0.15, 0.00, 0.06
HSL	190°, 88%, 52%
HSV	190°, 90%, 94%
XYZ	37.4608, 49.1973, 89.9597
YIQ	153.6970, -118.5610, -26.4410

Conversions

Conversions Part 2

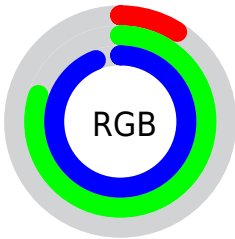
Format	Color
R _Y B	24, 122, 240
Decimal	1625072
CIE Lab	75.57, -28.12, -29.78
CIE LCh	76, 40.963, 226.642
Yxy	49.1973, 0.2121, 0.2786
Android (android.graphics.Color)	4279815152 (0xFF18CBF0)
YUV	153.6970, 42.5474, -113.7443
Hunter-Lab	70.1408, -27.4131, -26.9444

Details

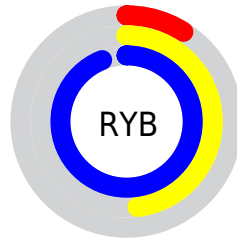
The XYZ color **37.4608, 49.1973, 89.9597** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light washed cyan. A complement of this color would be **37.7714, 21.9327, 3.1088**, and the grayscale version is **30.4445, 32.0300, 34.8807**.

A 20% lighter version of the original color is **61.0125, 82.4530, 107.3071**, and **19.3992, 24.9556, 49.1419** is the 20% darker color. If you saturate the color by 10%, you get **36.1271, 47.0882, 89.6239**, and if you desaturate by 10%, it is **39.2895, 51.6016, 90.3284**.

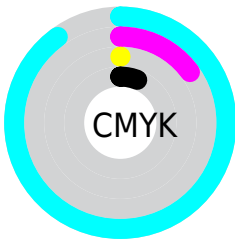
Distribution



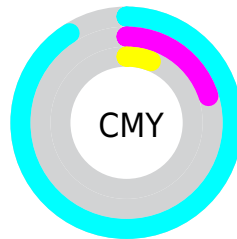
- Red (9%)
- Green (80%)
- Blue (94%)



- Red (9%)
- Yellow (48%)
- Blue (94%)



- Cyan (90%)
- Magenta (15%)
- Yellow (0%)
- Black (6%)





- Cyan (91%)
- Magenta (20%)
- Yellow (6%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.4608, 49.1973, 89.9597 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 37.4608, 49.1973, 89.9597 by changing the saturation by 10% instead.

 37.4608, 49.1973,
89.9597


 37.4608, 49.1973,
89.9597


326.6222,
383.5185, 548.4665


 25.7398, 34.7760,
67.3737


 70.5902, 88.9844,
149.2174

 16.7607, 23.4904,
48.9249


 92.7292, 115.1190,
186.7263


 10.1583, 14.9560,
34.1947


 119.0717,
145.9269, 230.0464

 5.5671, 8.7885,
22.7646

 149.9829,
181.7924, 279.5965

 2.6218, 4.6035,
14.2162

 185.8282,
223.0999, 335.7950

 0.9571, 2.0166,
8.1307

226.9729,

 0.0000, 0.6171,

270.2338, 399.0605

4.0897

273.7825,
323.5786, 469.8114

■ 0.0000, 0.0000,
1.6747

■ 0.0000, 0.0000,
0.3433

■ 37.4608, 49.1973,
89.9597

■ 37.4608, 49.1973,
89.9597

■ 36.1271, 47.0882,
89.6239

■ 39.2895, 51.6016,
90.3284

■ 36.1253, 47.0852,
89.6234

■ 41.7539, 54.3713,
90.7331

■ 44.9425, 57.5530,
91.1792

■ 48.9280, 61.1847,
91.6701

■ 53.7741, 65.2994,
92.2089

■ 59.5380, 69.9269,
92.7983

■ 66.2717, 75.0943,
93.4408

■ 74.0236, 80.8267,
94.1387

■ 82.8383, 87.1476,
94.8941

Harmonies

Analogous

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



34.1531, 49.1973, 66.4172



37.4608, 49.1973, 89.9597



43.4771, 49.1973, 105.2342

Triad

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



37.4608, 49.1973, 89.9597



62.4031, 49.1973, 63.7892



42.7140, 49.1973, 22.7276

Complementary

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



37.4608, 49.1973, 89.9597



37.7714, 21.9327, 3.1088

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.



50.2053, 49.1973, 22.3803



37.4608, 49.1973, 89.9597



62.1418, 49.1973, 42.4922

Square

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



37.4608, 49.1973, 89.9597



58.1642, 49.1973, 87.5939



57.4846, 49.1973, 28.6120



36.9543, 49.1973, 29.7386

Rectangle

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



37.4608, 49.1973, 89.9597



48.4647, 49.1973, 106.5703



57.4846, 49.1973, 28.6120



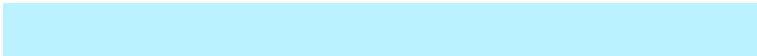
45.0969, 49.1973, 21.9096

Sweetspot

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



37.4624, 49.1990, 89.9609



70.4481, 81.9017, 106.7033



32.3544, 62.8421, 14.7036



14.5440, 17.1132, 22.7866



0.0000, 0.0000, 0.0000



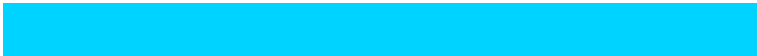
20.3446, 21.4041, 23.3091

Same Dimension

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



37.4624, 49.1990, 89.9609



41.4224, 53.9647, 102.8408



20.2910, 14.8561, 84.2371



16.0035, 17.4412, 20.2446



19.8618, 25.9479, 49.0895



1.7125, 2.2789, 4.1038

Inverse Universe

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



47.0428, 23.4921, 58.5565



53.0373, 25.9789, 64.0537



50.1058, 46.6016, 7.2202



16.3312, 15.9822, 19.3004



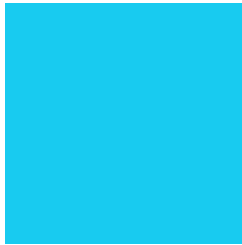
25.3509, 12.4128, 30.8283



2.1393, 1.0448, 2.7245

Previews

White Background



This preview shows how the XYZ color 37.4608, 49.1973, 89.9597 looks on a white background.

Color Contrast Check

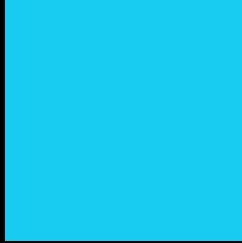
Large Text (above 18pt) WCAG AA × Fail

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 37.4608, 49.1973, 89.9597 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

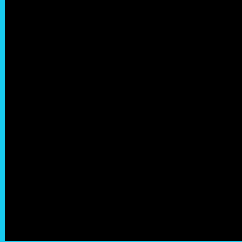
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 37.4608, 49.1973, 89.9597

Background



This preview shows how black text looks on a background with the XYZ color 37.4608, 49.1973, 89.9597.



This preview shows how white text looks on a background with the XYZ color 37.4608, 49.1973,

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

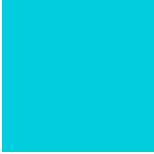
37.4608, 49.1973, 89.9597

Protanopia

48.3401, 48.4719, 78.7597

Deuteranopia

49.7869, 48.5945, 93.1418



Tritanopia

35.0161, 48.9366, 76.7074

Trichromacy



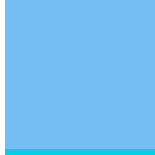
Original Color

37.4608, 49.1973, 89.9597



Protanomaly

40.5830, 46.5895, 82.4550



Deuteranomaly

41.9272, 47.0799, 91.6715



Tritanomaly

35.8484, 48.9010, 81.6782

Monochromacy



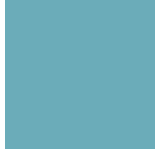
Original Color

37.4608, 49.1973, 89.9597



Achromatopsia

30.7148, 32.3143, 35.1903



Achromatomaly

29.5729, 36.1336, 51.3148

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.4608, 49.1973, 89.9597 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(24, 203, 240)` looks like.

```
.text, #text, p{  
    color:rgb(24, 203, 240)  
}
```

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(24, 203, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(24, 203, 240) }
```

Border

The CSS property to change the border of an element to XYZ 37.4608, 49.1973, 89.9597 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(24, 203, 240) }
```


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

```
.border{ border-color:rgb(24, 203, 240) }
```

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

Here you see how a box with a 4 pixel `rgb(24, 203, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(24, 203, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(24, 203, 240);  
box-shadow:4px 4px 4px 4px rgb(24, 203,  
240) }
```

Background

The CSS property to change the background color of an element to XYZ 37.4608, 49.1973, 89.9597 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(24, 203, 240) }
```

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

```
.background{ background-color: rgb(24, 203,  
240) }
```

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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