

Converting Colors

XYZ(37.1691, 75.0595, 64.1748)

Have a look what the booklet for
XYZ(37.1691, 75.0595, 64.1748)
contains.

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Color

**XYZ(45.6103, 75.4601,
63.7911)**

Conversions

Conversions Part 1

Format	Color
Hex	00FFC3
RGB	0, 255, 195
RGB Percent	0%, 100%, 76%
CMY	0.9998, 0.0000, 0.2353
CMYK	1.00, 0.00, 0.24, 0.00
HSL	166°, 100%, 50%
HSV	166°, 100%, 100%
XYZ	45.6103, 75.4601, 63.7911
YIQ	171.9150, -132.7200, -72.7200

Conversions

Conversions Part 2

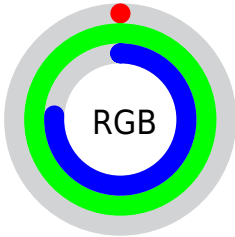
Format	Color
RYB	0, 145, 255
Decimal	65475
CIELab	89.61, -63.76, 14.73
CIELCh	90, 65.435, 166.990
Yxy	75.4601, 0.2467, 0.4082
Android (android.graphics.Color)	4278255555 (0xFF00FFC3)
YUV	171.9150, 11.3809, -150.7695
Hunter-Lab	86.8678, -58.2964, 17.2680

Details

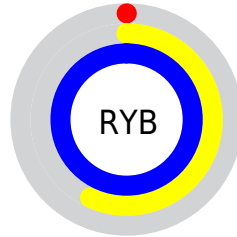
The XYZ color **45.6103, 75.4601, 63.7911** is a light color, and the websafe version is hex **00FFCC**. The color can be described as light saturated cyan. A complement of this color would be **42.0571, 21.5875, 6.2304**, and the grayscale version is **39.1679, 41.2077, 44.8751**.

A 20% lighter version of the original color is **60.5331, 82.2613, 104.7830**, and **24.7740, 41.8556, 31.9725** is the 20% darker color. If you saturate the color by 10%, you get **45.6095, 75.4598, 63.7867**, and if you desaturate by 10%, it is **46.7173, 75.9508, 67.4579**.

Distribution



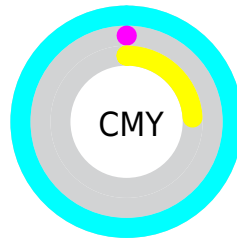
- Red (0%)
- Green (100%)
- Blue (76%)



- Red (0%)
- Yellow (57%)
- Blue (100%)



- Cyan (100%)
- Magenta (0%)
- Yellow (24%)
- Black (0%)





- Cyan (100%)
- Magenta (0%)
- Yellow (24%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.6103, 75.4601, 63.7911 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 45.6103, 75.4601, 63.7911 by changing the saturation by 10% instead.


 45.6103, 75.4601,
63.7911


 45.6103, 75.4601,
63.7911


359.9820,
479.4975, 456.6216


 32.1417, 55.9899,
46.0364


 82.8669, 126.9634,
111.9066

 21.6259, 40.1948,
31.9257


 107.3857,
159.7654, 143.1045

 13.6973, 27.6905,
21.0404


 136.3185,
197.7800, 179.6205

 7.9907, 18.0925,
12.9620

 170.0309,
241.3917, 221.8732

 4.1408, 11.0164,
7.2720

 208.8880,
290.9850, 270.2811

 1.7821, 6.0779,
3.5517

253.2554,

 0.5068, 2.8925,

346.9441, 325.2628

1.3828

303.4982,
409.6534, 387.2368

■ 0.0000, 1.0759,
0.1282

■ 0.0000, 0.0000,
0.0000

■ 45.6103, 75.4601,
63.7911

■ 45.6103, 75.4601,
63.7911

■ 45.6095, 75.4598,
63.7867

■ 46.7173, 75.9508,
67.4579

■ 48.3902, 76.7300,
71.2938

■ 50.7944, 77.8831,
75.3095

■ 54.0309, 79.4619,
79.5113

■ 58.1845, 81.5102,
83.9048

■ 63.3293, 84.0661,
88.4948

■ 69.5315, 87.1639,
93.2860

■ 76.8518, 90.8346,
98.2827

■ 85.3461, 95.1072,
103.4890

Harmonies

Analogous

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



51.3996, 75.4601, 35.3411



45.6103, 75.4601, 63.7911



46.0226, 75.4601, 110.8597

Triad

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



45.6103, 75.4601, 63.7911



81.1452, 75.4601, 199.3296



94.9573, 75.4601, 32.9203

Complementary

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



45.6103, 75.4601, 63.7911



42.0571, 21.5875, 6.2304

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.



105.5556, 75.4601, 58.9027



45.6103, 75.4601, 63.7911



96.8002, 75.4601, 158.6096

Square

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



45.6103, 75.4601, 63.7911



64.9823, 75.4601, 202.2177



106.2764, 75.4601, 103.7621



78.9135, 75.4601, 22.5489

Rectangle

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



45.6103, 75.4601, 63.7911



49.7454, 75.4601, 147.8145



106.2764, 75.4601, 103.7621



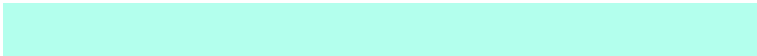
99.3729, 75.4601, 39.5599

Sweetspot

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



45.6111, 75.4605, 63.7924



69.5208, 87.1585, 93.2782



37.8603, 72.6027, 12.0195



14.2923, 18.3615, 19.5277



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

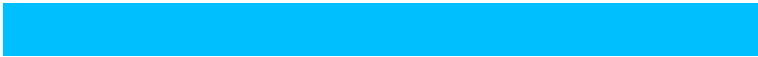
The Same Dimension uses a secret algorithm to generate beautiful new colors.



45.6111, 75.4605, 63.7924



45.6095, 75.4598, 63.7867



36.7381, 44.5954, 101.2792



18.3613, 20.4040, 22.2055



23.8927, 39.4537, 33.6500



2.3684, 3.8583, 3.4978

Inverse Universe

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



42.0571, 21.5875, 6.2304



42.0558, 21.5863, 6.2260



43.0613, 24.9022, 2.5382



18.1845, 18.0571, 19.5888



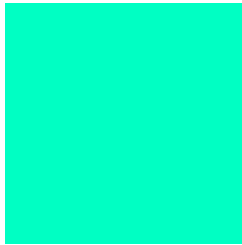
22.0225, 11.2983, 3.5033



2.1844, 1.1161, 0.5523

Previews

White Background



This preview shows how the XYZ color 45.6103, 75.4601, 63.7911 looks on a white background.

Color Contrast Check

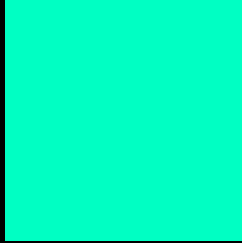
Large Text (above 18pt) WCAG AA × Fail

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 45.6103, 75.4601, 63.7911 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

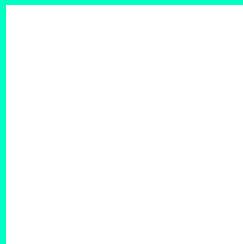
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 45.6103, 75.4601, 63.7911

Background



This preview shows how black text looks on a background with the XYZ color 45.6103, 75.4601, 63.7911.

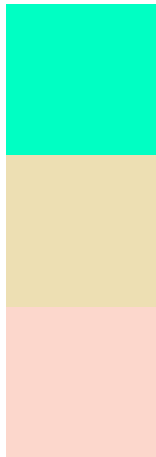


This preview shows how white text looks on a background with the XYZ color 45.6103, 75.4601, 63.7911.

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

45.6103, 75.4601, 63.7911

Protanopia

69.4494, 74.0346, 53.2775

Deuteranopia

75.3444, 73.6560, 67.3727



Tritanopia

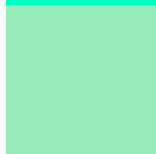
59.6913, 74.9434, 105.9272

Trichromacy



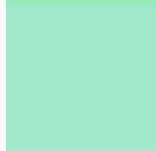
Original Color

45.6103, 75.4601, 63.7911



Protanomaly

51.2278, 69.4988, 56.6136



Deuteranomaly

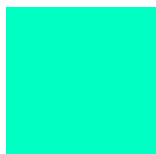
53.3366, 68.2843, 65.6274



Tritanomaly

51.3849, 73.2627, 88.5236

Monochromacy



Original Color

45.6103, 75.4601, 63.7911



Achromatopsia

39.2122, 41.2543, 44.9259



Achromatomaly

35.6654, 48.7876, 50.7172

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.6103, 75.4601, 63.7911 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, 255, 195)` looks like.

```
.text, #text, p{  
    color:rgb(0, 255, 195)  
}
```

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, 255, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 255, 195) }
```

Border

The CSS property to change the border of an element to XYZ 45.6103, 75.4601, 63.7911 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, 255, 195) }
```


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

```
.border{ border-color:rgb(0, 255, 195) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 255, 195)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 255, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 255, 195);  
box-shadow:4px 4px 4px 4px rgb(0, 255,  
195) }
```

Background

The CSS property to change the background color of an element to XYZ 45.6103, 75.4601, 63.7911 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 255, 195) }
```

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

```
.background{ background-color: rgb(0, 255,  
195) }
```

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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