

Converting Colors

XYZ(45.7605, 74.9901, 66.2163)

Have a look what the booklet for
XYZ(45.7605, 74.9901, 66.2163)
contains.

XYZ(45.7506, 75.0071, 66.0994)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(45.7506, 75.0071,
66.0994)**

Conversions

Conversions Part 1

Format	Color
Hex	00FEC7
RGB	0, 254, 199
RGB Percent	0%, 100%, 78%
CMY	0.9998, 0.0039, 0.2196
CMYK	1.00, 0.00, 0.22, 0.00
HSL	167°, 100%, 50%
HSV	167°, 100%, 100%
XYZ	45.7506, 75.0071, 66.0994
YIQ	171.7840, -133.7290, -70.9530

Conversions

Conversions Part 2

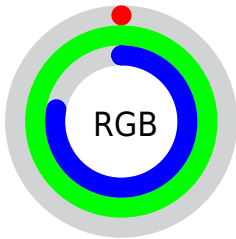
Format	Color
RYB	0, 142, 254
Decimal	65223
CIELab	89.40, -62.44, 12.37
CIELCh	89, 63.656, 168.793
Yxy	75.0071, 0.2448, 0.4014
Android (android.graphics.Color)	4278255303 (0xFF00FEC7)
YUV	171.7840, 13.4175, -150.6546
Hunter-Lab	86.6066, -57.2677, 15.3737

Details

The XYZ color **45.7506, 75.0071, 66.0994** 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 **41.5656, 21.3488, 5.5501**, and the grayscale version is **39.0937, 41.1296, 44.7901**.

A 20% lighter version of the original color is **61.0125, 82.4530, 107.3071**, and **24.8508, 41.5242, 33.4933** is the 20% darker color. If you saturate the color by 10%, you get **45.7510, 75.0093, 66.0954**, and if you desaturate by 10%, it is **46.8146, 75.4823, 69.5459**.

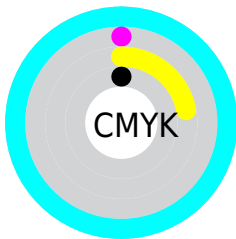
Distribution



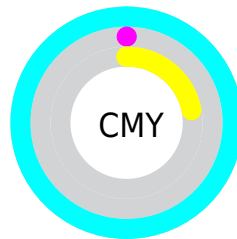
- Red (0%)
- Green (100%)
- Blue (78%)



- Red (0%)
- Yellow (56%)
- Blue (100%)



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





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

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.7506, 75.0071, 66.0994 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 45.7506, 75.0071, 66.0994 by changing the saturation by 10% instead.


 45.7506, 75.0071,
66.0994


 45.7506, 75.0071,
66.0994


360.5378,
477.9420, 465.1462


 32.2529, 55.6187,
47.8961


 83.0758, 126.3224,
115.2573


 21.7112, 39.8973,
33.3852


 107.6339,
159.0181, 147.0491

 13.7603, 27.4585,
22.1482


 136.6096,
196.9184, 184.2074

 8.0347, 17.9179,
13.7665

 170.3681,
240.4076, 227.1508

 4.1691, 10.8910,
7.8215

 209.2748,
289.8702, 276.2978

 1.7983, 5.9936,
3.8948

253.6951,

 0.5166, 2.8412,

345.6905, 332.0670

1.5678

303.9943,
408.2530, 394.8770

■ 0.0000, 1.0494,
0.2677

■ 0.0000, 0.0000,
0.0000

■ 45.7506, 75.0071,
66.0994

■ 45.7506, 75.0071,
66.0994


■ 45.7510, 75.0093,
66.0954


■ 46.8146, 75.4823,
69.5459


■ 48.4339, 76.2392,
73.1386


■ 50.7738, 77.3650,
76.8880


■ 53.9344, 78.9110,
80.8000

 57.9995, 80.9205,
84.8797

 63.0423, 83.4313,
89.1317

 69.1286, 86.4772,
93.5603

 76.3182, 90.0890,
98.1693

 84.6665, 94.2953,
102.9626

Harmonies

Analogous

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



51.0390, 75.0071, 37.1734



45.7506, 75.0071, 66.0994



46.5184, 75.0071, 112.5571

Triad

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



45.7506, 75.0071, 66.0994



81.3887, 75.0071, 192.8444



92.9129, 75.0071, 32.6215

Complementary

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



45.7506, 75.0071, 66.0994



41.5656, 21.3488, 5.5501

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.



103.5923, 75.0071, 57.0234



45.7506, 75.0071, 66.0994



96.2985, 75.0071, 152.2623

Square

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



45.7506, 75.0071, 66.0994



65.6248, 75.0071, 198.1032



104.9145, 75.0071, 99.5118



77.2764, 75.0071, 23.0956

Rectangle

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



45.7506, 75.0071, 66.0994



50.3924, 75.0071, 148.1059



104.9145, 75.0071, 99.5118



97.2934, 75.0071, 38.8362

Sweetspot

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



45.7527, 75.0100, 66.1012



69.7312, 87.2427, 94.3864



37.0226, 71.7004, 11.8895



14.3430, 18.3817, 19.7946



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.



45.7527, 75.0100, 66.1012



46.1588, 75.6795, 66.6795



34.6284, 40.6320, 99.7869



18.3765, 20.4101, 22.2856



24.1767, 39.5673, 35.1454



2.3938, 3.8685, 3.6317

Inverse Universe

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



41.5656, 21.3488, 5.5501



41.9350, 21.5380, 5.5900



43.1920, 25.7063, 2.6866



18.1704, 18.0515, 19.5143



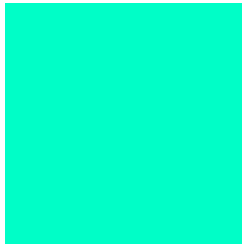
21.9564, 11.2719, 3.1549



2.1761, 1.1128, 0.5087

Previews

White Background



This preview shows how the XYZ color 45.7506, 75.0071, 66.0994 looks on a white background.

Color Contrast Check

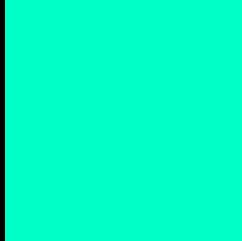
Large Text (above 18pt) WCAG AA × Fail

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 45.7506, 75.0071, 66.0994 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

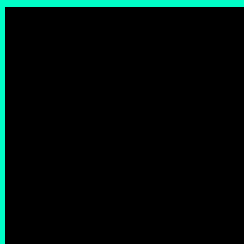
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 45.7506, 75.0071, 66.0994

Background



This preview shows how black text looks on a background with the XYZ color 45.7506, 75.0071, 66.0994.



This preview shows how white text looks on a background with the XYZ color 45.7506, 75.0071,

Color Blindness Simulation

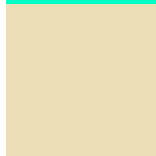
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



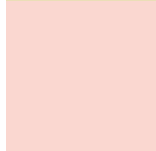
Original Color

45.7506, 75.0071, 66.0994



Protanopia

68.9295, 73.3236, 55.3196



Deuteranopia

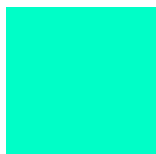
75.1099, 73.4789, 69.8986



Tritanopia

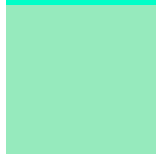
59.2018, 74.6911, 105.9043

Trichromacy



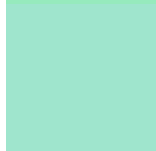
Original Color

45.7506, 75.0071, 66.0994



Protanomaly

51.1858, 69.0038, 58.7654



Deuteranomaly

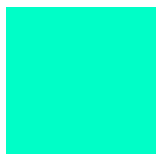
53.3368, 67.8173, 68.0365



Tritanomaly

51.4856, 73.2814, 90.0284

Monochromacy



Original Color

45.7506, 75.0071, 66.0994



Achromatopsia

39.2122, 41.2543, 44.9259



Achromatomaly

35.8707, 48.8697, 51.7982

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.7506, 75.0071, 66.0994 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, 254, 199)` looks like.

```
.text, #text, p{  
    color:rgb(0, 254, 199)  
}
```

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, 254, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 254, 199) }
```

Border

The CSS property to change the border of an element to XYZ 45.7506, 75.0071, 66.0994 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, 254, 199) }
```


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

```
.border{ border-color:rgb(0, 254, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 254, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 254, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 254, 199);  
box-shadow:4px 4px 4px 4px rgb(0, 254,  
199) }
```

Background

The CSS property to change the background color of an element to XYZ 45.7506, 75.0071, 66.0994 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 254, 199) }
```

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

```
.background{ background-color: rgb(0, 254,  
199) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

[@ConvertingColor](#)