

Converting Colors

XYZ(47.0230, 80.4759, 63.6804)

Have a look what the booklet for
XYZ(47.0230, 80.4759, 63.6804)
contains.

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Color

**XYZ(45.3856, 75.3703,
62.6079)**

Conversions

Conversions Part 1

Format	Color
Hex	00FFC1
RGB	0, 255, 193
RGB Percent	0%, 100%, 76%
CMY	0.9999, 0.0000, 0.2431
CMYK	1.00, 0.00, 0.24, 0.00
HSL	165°, 100%, 50%
HSV	165°, 100%, 100%
XYZ	45.3856, 75.3703, 62.6079
YIQ	171.6870, -132.0780, -73.3420

Conversions

Conversions Part 2

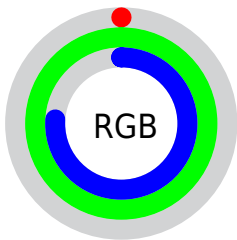
Format	Color
RYB	0, 145, 255
Decimal	65473
CIELab	89.57, -64.22, 15.70
CIElCh	90, 66.110, 166.262
Yxy	75.3703, 0.2475, 0.4110
Android (android.graphics.Color)	4278255553 (0xFF00FFC1)
YUV	171.6870, 10.5073, -150.5695
Hunter-Lab	86.8161, -58.6121, 18.0139

Details

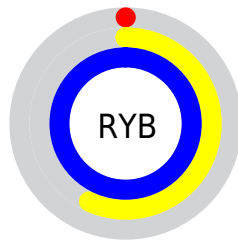
The XYZ color **45.3856, 75.3703, 62.6079** is a light color, and the websafe version is hex **00FFCC**. The color can be described as light saturated cyan. A complement of this color would be **42.1108, 21.6089, 6.5136**, and the grayscale version is **39.0558, 41.0898, 44.7468**.

A 20% lighter version of the original color is **60.2178, 82.1351, 103.1223**, and **24.6265, 41.7966, 31.1957** is the 20% darker color. If you saturate the color by 10%, you get **45.3849, 75.3700, 62.6043**, and if you desaturate by 10%, it is **46.5066, 75.8665, 66.3489**.

Distribution



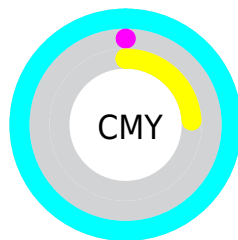
- Red (0%)
- Green (100%)
- Blue (76%)



- 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 45.3856, 75.3703, 62.6079 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 45.3856, 75.3703, 62.6079 by changing the saturation by 10% instead.


 45.3856, 75.3703,
62.6079


 45.3856, 75.3703,
62.6079


359.0905,
479.1894, 452.2138


 31.9638, 55.9163,
45.0851


 82.5323, 126.8364,
110.1837

 21.4893, 40.1358,
31.1810


 106.9878,
159.6173, 141.0739


 13.5966, 27.6445,
20.4771


 135.8521,
197.6093, 177.2569

 7.9205, 18.0578,
12.5548


 169.4903,
241.1968, 219.1513

 4.0955, 10.9915,
6.9956

 208.2679,
290.7641, 267.1756

 1.7563, 6.0611,
3.3810

252.5503,

 0.4911, 2.8823,

346.6957, 321.7485

1.2923

302.7027,
409.3760, 383.2884

■ 0.0000, 1.0706,
0.0555

■ 0.0000, 0.0000,
0.0000

■ 45.3856, 75.3703,
62.6079

■ 45.3856, 75.3703,
62.6079


■ 45.3849, 75.3700,
62.6043


■ 46.5066, 75.8665,
66.3489


■ 48.1952, 76.6520,
70.2684


■ 50.6169, 77.8120,
74.3772


■ 53.8728, 79.3985,
78.6818

 58.0475, 81.4553,
83.1878

 63.2153, 84.0204,
87.9004

 69.4425, 87.1281,
92.8243

 76.7897, 90.8096,
97.9641

 85.3129, 95.0937,
103.3239

Harmonies

Analogous

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



51.3628, 75.3703, 34.4668



45.3856, 75.3703, 62.6079



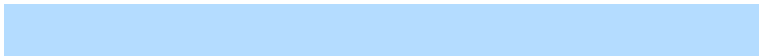
45.6487, 75.3703, 109.7399

Triad

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



45.3856, 75.3703, 62.6079



80.7414, 75.3703, 201.3242



95.4654, 75.3703, 32.9284

Complementary

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



45.3856, 75.3703, 62.6079



42.1108, 21.6089, 6.5136

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.



105.9873, 75.3703, 59.4849



45.3856, 75.3703, 62.6079



96.6479, 75.3703, 160.7144

Square

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



45.3856, 75.3703, 62.6079



64.4749, 75.3703, 203.1841



106.4501, 75.3703, 105.1867



79.3113, 75.3703, 22.2442

Rectangle

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



45.3856, 75.3703, 62.6079



49.2947, 75.3703, 147.1344



106.4501, 75.3703, 105.1867



99.8786, 75.3703, 39.7228

Sweetspot

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



45.3863, 75.3706, 62.6092



69.4333, 87.1235, 92.8175



37.8600, 72.6026, 12.0193



14.2712, 18.3530, 19.4169



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.



45.3863, 75.3706, 62.6092



45.3849, 75.3700, 62.6043



36.7377, 44.5947, 101.2791



18.3549, 20.4015, 22.1721



23.7766, 39.4072, 33.0384



2.3580, 3.8541, 3.4429

Inverse Universe

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



42.1108, 21.6089, 6.5136



42.1097, 21.6079, 6.5096



43.0610, 24.9017, 2.5379



18.1904, 18.0595, 19.6200



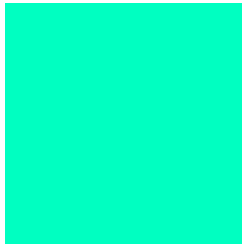
22.0519, 11.3101, 3.6580



2.1880, 1.1176, 0.5713

Previews

White Background



This preview shows how the XYZ color 45.3856, 75.3703, 62.6079 looks on a white background.

Color Contrast Check

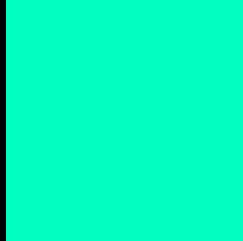
Large Text (above 18pt) WCAG AA × Fail

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 45.3856, 75.3703, 62.6079 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

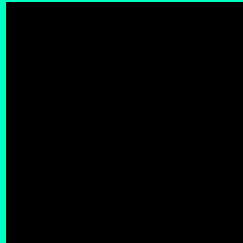
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

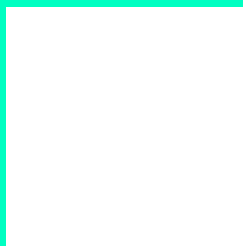
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 45.3856, 75.3703, 62.6079

Background



This preview shows how black text looks on a background with the XYZ color 45.3856, 75.3703, 62.6079.



This preview shows how white text looks on a background with the XYZ color 45.3856, 75.3703,

Color Blindness Simulation

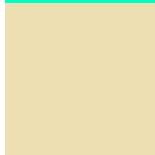
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



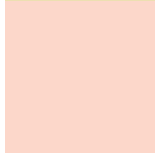
Original Color

45.3856, 75.3703, 62.6079



Protanopia

69.2485, 73.9542, 52.2198



Deuteranopia

75.1060, 73.5606, 66.1172



Tritanopia

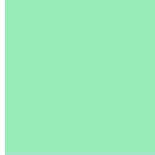
59.5266, 74.8585, 105.9195

Trichromacy



Original Color

45.3856, 75.3703, 62.6079



Protanomaly

51.0181, 69.4149, 55.5092



Deuteranomaly

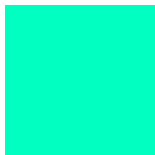
53.1028, 68.1907, 64.3961



Tritanomaly

51.1484, 73.1572, 87.7689

Monochromacy



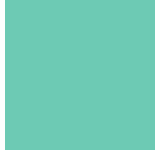
Original Color

45.3856, 75.3703, 62.6079



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 45.3856, 75.3703, 62.6079 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, 193)` looks like.

```
.text, #text, p{  
    color:rgb(0, 255, 193)  
}
```

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, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 255, 193) }
```

Border

The CSS property to change the border of an element to XYZ 45.3856, 75.3703, 62.6079 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, 193) }
```


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

```
.border{ border-color:rgb(0, 255, 193) }
```

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, 193)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 255, 193); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 255, 193);  
box-shadow:4px 4px 4px 4px rgb(0, 255,  
193) }
```

Background

The CSS property to change the background color of an element to XYZ 45.3856, 75.3703, 62.6079 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, 193) }
```

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

```
.background{ background-color: rgb(0, 255,  
193) }
```

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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