

Converting Colors

XYZ(38.1900, 75.5361, 64.9390)

Have a look what the booklet for
XYZ(38.1900, 75.5361, 64.9390)
contains.

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Color

**XYZ(45.7238, 75.5055,
64.3887)**

Conversions

Conversions Part 1

Format	Color
Hex	00FFC4
RGB	0, 255, 196
RGB Percent	0%, 100%, 77%
CMY	0.9998, 0.0000, 0.2314
CMYK	1.00, 0.00, 0.23, 0.00
HSL	166°, 100%, 50%
HSV	166°, 100%, 100%
XYZ	45.7238, 75.5055, 64.3887
YIQ	172.0290, -133.0410, -72.4090

Conversions

Conversions Part 2

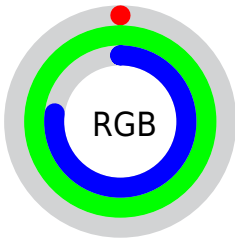
Format	Color
RYB	0, 144, 255
Decimal	65476
CIELab	89.63, -63.52, 14.25
CIELCh	90, 65.100, 167.359
Yxy	75.5055, 0.2463, 0.4068
Android (android.graphics.Color)	4278255556 (0xFF00FFC4)
YUV	172.0290, 11.8177, -150.8694
Hunter-Lab	86.8939, -58.1372, 16.8916

Details

The XYZ color **45.7238, 75.5055, 64.3887** 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 **42.0309, 21.5771, 6.0927**, and the grayscale version is **39.2238, 41.2665, 44.9392**.

A 20% lighter version of the original color is **60.6921, 82.3249, 105.6200**, and **24.8487, 41.8855, 32.3662** is the 20% darker color. If you saturate the color by 10%, you get **45.7229, 75.5052, 64.3841**, and if you desaturate by 10%, it is **46.8236, 75.9933, 68.0172**.

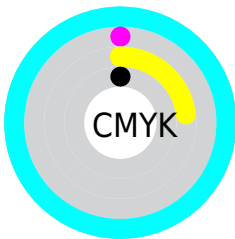
Distribution



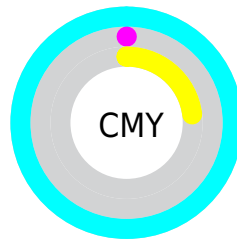
- Red (0%)
- Green (100%)
- Blue (77%)



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



- Cyan (100%)
- Magenta (0%)
- Yellow (23%)
- Black (0%)





- Cyan (100%)
- Magenta (0%)
- Yellow (23%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.7238, 75.5055, 64.3887 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 45.7238, 75.5055, 64.3887 by changing the saturation by 10% instead.


 45.7238, 75.5055,
64.3887


 45.7238, 75.5055,
64.3887


360.4317,
479.6532, 458.8379


 32.2316, 56.0271,
46.5174


 83.0359, 127.0277,
112.7754


 21.6949, 40.2247,
32.3027


 107.5865,
159.8402, 144.1278


 13.7482, 27.7138,
21.3261


 136.5540,
197.8663, 180.8111

 8.0263, 18.1100,
13.1690

 170.3037,
241.4903, 223.2436

 4.1637, 11.0290,
7.4129

 209.2009,
291.0966, 271.8440

 1.7952, 6.0863,
3.6393

253.6111,

 0.5148, 2.8977,

347.0696, 327.0309

1.4296

303.8996,
409.7937, 389.2226

■ 0.0000, 1.0785,
0.1647

■ 0.0000, 0.0000,
0.0000

■ 45.7238, 75.5055,
64.3887

■ 45.7238, 75.5055,
64.3887

■ 45.7229, 75.5052,
64.3841

■ 46.8236, 75.9933,
68.0172

■ 48.4884, 76.7693,
71.8104

■ 50.8837, 77.9188,
75.7786

■ 54.1103, 79.4937,
79.9283

■ 58.2532, 81.5377,
84.2647

■ 63.3862, 84.0890,
88.7929

■ 69.5758, 87.1817,
93.5173

■ 76.8826, 90.8470,
98.4421

■ 85.3623, 95.1137,
103.5714

Harmonies

Analogous

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



51.4189, 75.5055, 35.7847



45.7238, 75.5055, 64.3887



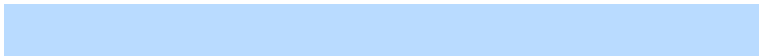
46.2111, 75.5055, 111.4218

Triad

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



45.7238, 75.5055, 64.3887



81.3477, 75.5055, 198.3349



94.7039, 75.5055, 32.9175

Complementary

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



45.7238, 75.5055, 64.3887



42.0309, 21.5771, 6.0927

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.



105.3399, 75.5055, 58.6142



45.7238, 75.5055, 64.3887



96.8761, 75.5055, 157.5634

Square

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



45.7238, 75.5055, 64.3887



65.2374, 75.5055, 201.7328



106.1893, 75.5055, 103.0552



78.7156, 75.5055, 22.7034

Rectangle

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



45.7238, 75.5055, 64.3887



49.9726, 75.5055, 148.1538



106.1893, 75.5055, 103.0552



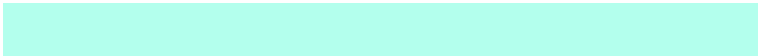
99.1206, 75.5055, 39.4799

Sweetspot

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



45.7246, 75.5059, 64.3900



69.5647, 87.1761, 93.5092



37.5956, 72.4663, 12.0071



14.3029, 18.3657, 19.5833



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.



45.7246, 75.5059, 64.3900



45.7229, 75.5052, 64.3841



35.8233, 42.7657, 100.9743



18.3645, 20.4053, 22.2222



23.9514, 39.4771, 33.9589



2.3737, 3.8604, 3.5255

Inverse Universe

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



42.0309, 21.5771, 6.0927



42.0296, 21.5758, 6.0880



43.3092, 25.3981, 2.6209



18.1816, 18.0559, 19.5732



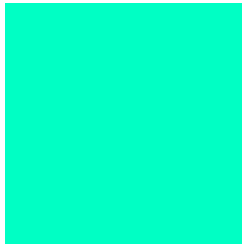
22.0082, 11.2926, 3.4279



2.1826, 1.1154, 0.5430

Previews

White Background



This preview shows how the XYZ color 45.7238, 75.5055, 64.3887 looks on a white background.

Color Contrast Check

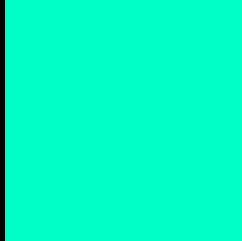
Large Text (above 18pt) WCAG AA × Fail

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 45.7238, 75.5055, 64.3887 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

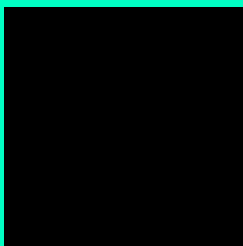
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

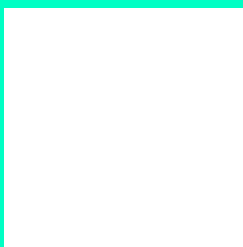
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 45.7238, 75.5055, 64.3887

Background



This preview shows how black text looks on a background with the XYZ color 45.7238, 75.5055, 64.3887.



This preview shows how white text looks on a background with the XYZ color 45.7238, 75.5055,

Color Blindness Simulation

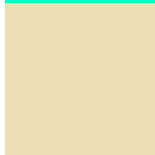
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



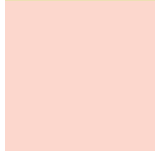
Original Color

45.7238, 75.5055, 64.3887



Protanopia

69.5509, 74.0752, 53.8122



Deuteranopia

75.4648, 73.7041, 68.0065



Tritanopia

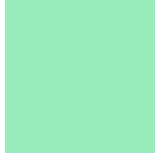
59.6913, 74.9434, 105.9272

Trichromacy



Original Color

45.7238, 75.5055, 64.3887



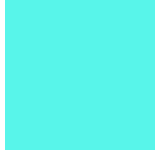
Protanomaly

51.3338, 69.5411, 57.1716



Deuteranomaly

53.4547, 68.3315, 66.2491



Tritanomaly

51.5282, 73.3200, 89.2783

Monochromacy



Original Color

45.7238, 75.5055, 64.3887



Achromatopsia

39.2122, 41.2543, 44.9259



Achromatomaly

35.7677, 48.8285, 51.2557

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.7238, 75.5055, 64.3887 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, 196)` looks like.

```
.text, #text, p{  
    color:rgb(0, 255, 196)  
}
```

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, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 255, 196) }
```

Border

The CSS property to change the border of an element to XYZ 45.7238, 75.5055, 64.3887 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, 196) }
```


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

```
.border{ border-color:rgb(0, 255, 196) }
```

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, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 255, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 255, 196);  
box-shadow:4px 4px 4px 4px rgb(0, 255,  
196) }
```

Background

The CSS property to change the background color of an element to XYZ 45.7238, 75.5055, 64.3887 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, 196) }
```

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

```
.background{ background-color: rgb(0, 255,  
196) }
```

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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