

Converting Colors

XYZ(41.8435, 76.2924, 77.0638)

Have a look what the booklet for
XYZ(41.8435, 76.2924, 77.0638)
contains.

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Color

**XYZ(48.0257, 76.4263,
76.5105)**

Conversions

Conversions Part 1

Format	Color
Hex	00FFD7
RGB	0, 255, 215
RGB Percent	0%, 100%, 84%
CMY	0.9998, 0.0000, 0.1569
CMYK	1.00, 0.00, 0.16, 0.00
HSL	171°, 100%, 50%
HSV	171°, 100%, 100%
XYZ	48.0257, 76.4263, 76.5105
YIQ	174.1950, -139.1400, -66.5000

Conversions

Conversions Part 2

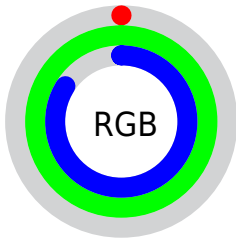
Format	Color
RYB	0, 138, 255
Decimal	65495
CIELab	90.06, -58.90, 5.05
CIELCh	90, 59.115, 175.100
Yxy	76.4263, 0.2390, 0.3803
Android (android.graphics.Color)	4278255575 (0xFF00FFD7)
YUV	174.1950, 20.1169, -152.7690
Hunter-Lab	87.4221, -54.9291, 9.3058

Details

The XYZ color **48.0257, 76.4263, 76.5105** is a light color, and the websafe version is hex **33FFCC**. The color can be described as light saturated cyan. A complement of this color would be **41.6243, 21.4145, 3.9511**, and the grayscale version is **40.2904, 42.3886, 46.1612**.

A 20% lighter version of the original color is **61.2812, 82.5916, 107.3196**, and **26.3114, 42.4706, 40.0686** is the 20% darker color. If you saturate the color by 10%, you get **48.0250, 76.4260, 76.5068**, and if you desaturate by 10%, it is **48.9610, 76.8483, 79.2723**.

Distribution



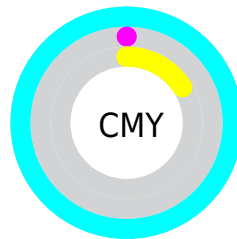
- Red (0%)
- Green (100%)
- Blue (84%)



- Red (0%)
- Yellow (54%)
- Blue (100%)



- Cyan (100%)
- Magenta (0%)
- Yellow (16%)
- Black (0%)





- Cyan (100%)
- Magenta (0%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 48.0257, 76.4263, 76.5105 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 48.0257, 76.4263, 76.5105 by changing the saturation by 10% instead.


 48.0257, 76.4263,
76.5105


 48.0257, 76.4263,
76.5105

369.4749,
482.8058, 502.4867


 34.0586, 56.7821,
56.3420


 86.4521, 128.3293,
130.2150


 23.1017, 40.8304,
40.0714


 111.6421,
161.3570, 164.5881


 14.7897, 28.1865,
27.2800


 141.3038,
199.6146, 204.5331

 8.7573, 18.4663,
17.5493

 175.8026,
243.4865, 250.4687

 4.6391, 11.2853,
10.4608

 215.5037,
293.3572, 302.8133

 2.0696, 6.2591,
5.5960

260.7725,

 0.6726, 3.0032,

349.6111, 361.9854

2.5362

311.9745,
412.6325, 428.4038

■ 0.0000, 1.1334,
0.8593

■ 0.0000, 0.0063,
0.0000

■ 48.0257, 76.4263,
76.5105

■ 48.0257, 76.4263,
76.5105

■ 48.0250, 76.4260,
76.5068

■ 48.9610, 76.8483,
79.2723

■ 50.4473, 77.5529,
82.1246

■ 52.6498, 78.6253,
85.0769

■ 55.6693, 80.1173,
88.1345

■ 59.5902, 82.0726,
91.3017

■ 64.4866, 84.5292,
94.5824

■ 70.4245, 87.5213,
97.9802

■ 77.4643, 91.0799,
101.4982

■ 85.6617, 95.2337,
105.1396

Harmonies

Analogous

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



51.8932, 76.4263, 45.0540



48.0257, 76.4263, 76.5105



49.9934, 76.4263, 122.3608

Triad

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



48.0257, 76.4263, 76.5105



85.2628, 76.4263, 179.7842



89.9864, 76.4263, 33.0227

Complementary

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



48.0257, 76.4263, 76.5105



41.6243, 21.4145, 3.9511

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.



101.2651, 76.4263, 53.4598



48.0257, 76.4263, 76.5105



98.2910, 76.4263, 138.4582

Square

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



48.0257, 76.4263, 76.5105



70.2604, 76.4263, 192.3083



104.4911, 76.4263, 90.3007



75.0745, 76.4263, 25.9236

Rectangle

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



48.0257, 76.4263, 76.5105



54.5097, 76.4263, 154.4735



104.4911, 76.4263, 90.3007



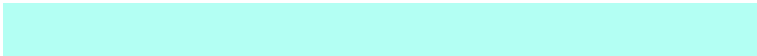
94.4034, 76.4263, 38.1394

Sweetspot

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



48.0266, 76.4267, 76.5119



70.4125, 87.5152, 97.9737



36.7373, 72.0238, 11.9671



14.5074, 18.4475, 20.6607



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.



48.0266, 76.4267, 76.5119



48.0250, 76.4260, 76.5068



32.4283, 35.9757, 99.8426



18.4252, 20.4296, 22.5420



25.1401, 39.9526, 40.2186



2.4793, 3.9026, 4.0818

Inverse Universe

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



41.6243, 21.4145, 3.9511



41.6231, 21.4132, 3.9474



44.4912, 27.7621, 3.0150



18.1255, 18.0335, 19.2782



21.7832, 11.2026, 2.2428



2.1529, 1.1035, 0.3867

Previews

White Background



This preview shows how the XYZ color 48.0257, 76.4263, 76.5105 looks on a white background.

Color Contrast Check

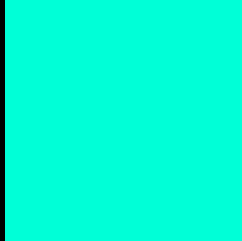
Large Text (above 18pt) WCAG AA × Fail

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 48.0257, 76.4263, 76.5105 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

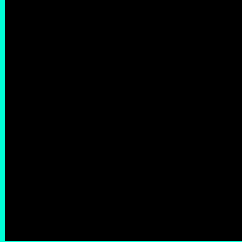
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

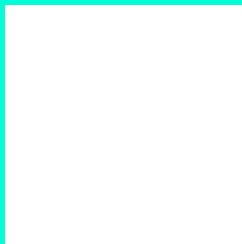
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 48.0257, 76.4263, 76.5105

Background



This preview shows how black text looks on a background with the XYZ color 48.0257, 76.4263, 76.5105.

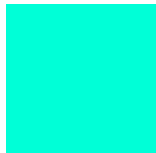


This preview shows how white text looks on a background with the XYZ color 48.0257, 76.4263,

Color Blindness Simulation

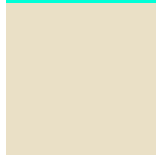
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



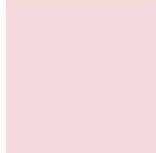
Original Color

48.0257, 76.4263, 76.5105



Protanopia

70.7804, 74.8810, 64.1490



Deuteranopia

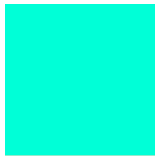
76.1382, 74.5463, 80.1880



Tritanopia

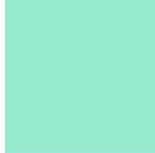
60.8330, 75.9702, 106.0652

Trichromacy



Original Color

48.0257, 76.4263, 76.5105



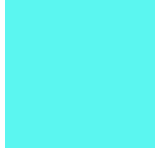
Protanomaly

53.0018, 70.1659, 67.8766



Deuteranomaly

55.3988, 69.4872, 78.2027



Tritanomaly

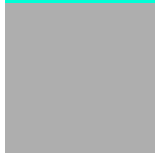
52.9983, 74.4270, 94.0106

Monochromacy



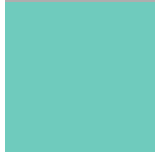
Original Color

48.0257, 76.4263, 76.5105



Achromatopsia

40.2316, 42.3268, 46.0938



Achromatomaly

37.0968, 49.7655, 55.7946

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.0257, 76.4263, 76.5105 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, 215)` looks like.

```
.text, #text, p{  
    color:rgb(0, 255, 215)  
}
```

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, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 255, 215) }
```

Border

The CSS property to change the border of an element to XYZ 48.0257, 76.4263, 76.5105 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, 215) }
```


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

```
.border{ border-color:rgb(0, 255, 215) }
```

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, 215) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 255, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 255, 215);  
box-shadow:4px 4px 4px 4px rgb(0, 255,  
215) }
```

Background

The CSS property to change the background color of an element to XYZ 48.0257, 76.4263, 76.5105 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, 215) }
```

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

```
.background{ background-color: rgb(0, 255,  
215) }
```

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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