

Converting Colors

XYZ(42.9853, 84.1575, 79.2860)

Have a look what the booklet for
XYZ(42.9853, 84.1575, 79.2860)
contains.

XYZ(48.2844, 76.5298, 77.8725)	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(48.2844, 76.5298,
77.8725)**

Conversions

Conversions Part 1

Format	Color
Hex	00FFD9
RGB	0, 255, 217
RGB Percent	0%, 100%, 85%
CMY	0.9998, 0.0000, 0.1490
CMYK	1.00, 0.00, 0.15, 0.00
HSL	171°, 100%, 50%
HSV	171°, 100%, 100%
XYZ	48.2844, 76.5298, 77.8725
YIQ	174.4230, -139.7820, -65.8780

Conversions

Conversions Part 2

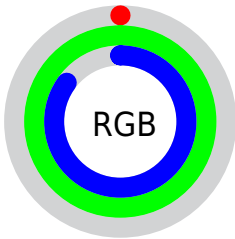
Format	Color
RYB	0, 138, 255
Decimal	65497
CIELab	90.10, -58.39, 4.08
CIELCh	90, 58.534, 176.000
Yxy	76.5298, 0.2382, 0.3776
Android (android.graphics.Color)	4278255577 (0xFF00FFD9)
YUV	174.4230, 20.9905, -152.9690
Hunter-Lab	87.4813, -54.5711, 8.4592

Details

The XYZ color **48.2844, 76.5298, 77.8725** 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 **41.5912, 21.4014, 3.7768**, and the grayscale version is **40.4043, 42.5085, 46.2917**.

A 20% lighter version of the original color is **61.2812, 82.5916, 107.3196**, and **26.4878, 42.5411, 40.9976** is the 20% darker color. If you saturate the color by 10%, you get **48.2836, 76.5295, 77.8685**, and if you desaturate by 10%, it is **49.1995, 76.9437, 80.5273**.

Distribution



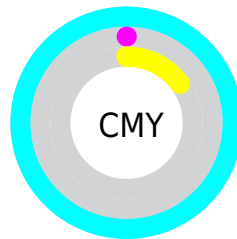
- Red (0%)
- Green (100%)
- Blue (85%)



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



- Cyan (100%)
- Magenta (0%)
- Yellow (15%)
- Black (0%)





- Cyan (100%)
- Magenta (0%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.2844, 76.5298, 77.8725 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 48.2844, 76.5298, 77.8725 by changing the saturation by 10% instead.


 48.2844, 76.5298,
77.8725


 48.2844, 76.5298,
77.8725

370.4822,
483.1594, 507.2502


 34.2644, 56.8670,
57.4534


 86.8348, 128.4755,
132.1546


 23.2606, 40.8985,
40.9576


 112.0959,
161.5273, 166.8547


 14.9078, 28.2398,
27.9665


 141.8347,
199.8109, 207.1522

 8.8406, 18.5065,
18.0616

 176.4166,
243.7106, 253.4657

 4.6936, 11.3142,
10.8243

 216.2070,
293.6109, 306.2137

 2.1015, 6.2786,
5.8361

261.5711,

 0.6901, 3.0152,

349.8962, 365.8148

2.6785

312.8744,
412.9509, 432.6874

■ 0.0000, 1.1397,
0.9326

■ 0.0000, 0.0116,
0.0000

■ 48.2844, 76.5298,
77.8725

■ 48.2844, 76.5298,
77.8725

■ 48.2836, 76.5295,
77.8685

■ 49.1995, 76.9437,
80.5273

■ 50.6644, 77.6398,
83.2663

■ 52.8443, 78.7031,
86.0990

■ 55.8400, 80.1857,
89.0305

■ 59.7359, 82.1310,
92.0651

■ 64.6060, 84.5771,
95.2066

■ 70.5165, 87.5582,
98.4585

■ 77.5275, 91.1053,
101.8240

■ 85.6949, 95.2471,
105.3061

Harmonies

Analogous

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



51.9552, 76.5298, 46.1263



48.2844, 76.5298, 77.8725



50.4141, 76.5298, 123.5397

Triad

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



48.2844, 76.5298, 77.8725



85.6823, 76.5298, 177.8740



89.5010, 76.5298, 33.0513

Complementary

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



48.2844, 76.5298, 77.8725



41.5912, 21.4014, 3.7768

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.



100.8395, 76.5298, 52.9525



48.2844, 76.5298, 77.8725



98.4368, 76.5298, 136.5345

Square

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



48.2844, 76.5298, 77.8725



70.8086, 76.5298, 191.2958



104.3082, 76.5298, 89.0324



74.7048, 76.5298, 26.2956

Rectangle

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



48.2844, 76.5298, 77.8725



55.0123, 76.5298, 155.1237



104.3082, 76.5298, 89.0324



93.9159, 76.5298, 38.0179

Sweetspot

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



48.2853, 76.5302, 77.8739



70.5032, 87.5515, 98.4517



36.5705, 71.9378, 11.9594



14.5294, 18.4563, 20.7763



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.



48.2853, 76.5302, 77.8739



48.2836, 76.5295, 77.8685



31.6448, 34.4086, 99.5814



18.4316, 20.4322, 22.5759



25.2735, 40.0060, 40.9208



2.4910, 3.9073, 4.1436

Inverse Universe

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



41.5912, 21.4014, 3.7768



41.5899, 21.4000, 3.7728



44.8363, 28.4522, 3.1302



18.1197, 18.0312, 19.2474



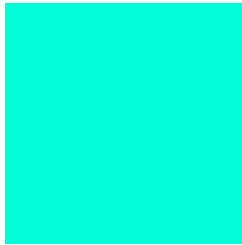
21.7645, 11.1951, 2.1443



2.1502, 1.1024, 0.3723

Previews

White Background



This preview shows how the XYZ color 48.2844, 76.5298, 77.8725 looks on a white background.

Color Contrast Check

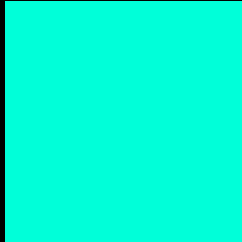
Large Text (above 18pt) WCAG AA × Fail

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 48.2844, 76.5298, 77.8725 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

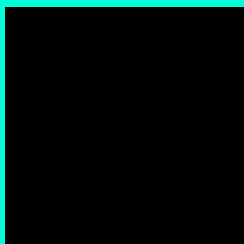
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 48.2844, 76.5298, 77.8725

Background



This preview shows how black text looks on a background with the XYZ color 48.2844, 76.5298, 77.8725.

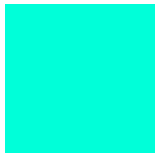


This preview shows how white text looks on a background with the XYZ color 48.2844, 76.5298,

Color Blindness Simulation

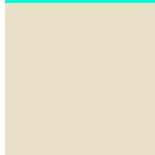
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



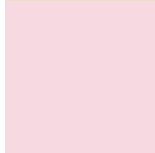
Original Color

48.2844, 76.5298, 77.8725



Protanopia

71.0127, 74.9739, 65.3722



Deuteranopia

76.4095, 74.6548, 81.6168



Tritanopia

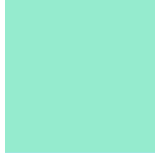
61.0069, 76.0599, 106.0734

Trichromacy



Original Color

48.2844, 76.5298, 77.8725



Protanomaly

53.2433, 70.2625, 69.1483



Deuteranomaly

55.6654, 69.5939, 79.6063



Tritanomaly

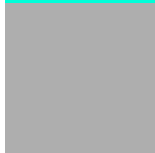
53.2466, 74.5377, 94.7999

Monochromacy



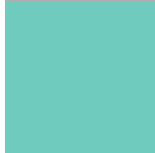
Original Color

48.2844, 76.5298, 77.8725



Achromatopsia

40.2316, 42.3268, 46.0938



Achromatomaly

37.2057, 49.8091, 56.3684

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.2844, 76.5298, 77.8725 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, 217)` looks like.

```
.text, #text, p{  
    color:rgb(0, 255, 217)  
}
```

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, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 255, 217) }
```

Border

The CSS property to change the border of an element to XYZ 48.2844, 76.5298, 77.8725 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, 217) }
```


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

```
.border{ border-color:rgb(0, 255, 217) }
```

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, 217) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 255, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 255, 217);  
box-shadow:4px 4px 4px 4px rgb(0, 255,  
217) }
```

Background

The CSS property to change the background color of an element to XYZ 48.2844, 76.5298, 77.8725 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, 217) }
```

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

```
.background{ background-color: rgb(0, 255,  
217) }
```

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