

Converting Colors

XYZ(45.2880, 84.4927, 74.2234)

Have a look what the booklet for
XYZ(45.2880, 84.4927, 74.2234)
contains.

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Color

**XYZ(47.2686, 76.1234,
72.5236)**

Conversions

Conversions Part 1

Format	Color
Hex	00FFD1
RGB	0, 255, 209
RGB Percent	0%, 100%, 82%
CMY	0.9998, 0.0000, 0.1804
CMYK	1.00, 0.00, 0.18, 0.00
HSL	169°, 100%, 50%
HSV	169°, 100%, 100%
XYZ	47.2686, 76.1234, 72.5236
YIQ	173.5110, -137.2140, -68.3660

Conversions

Conversions Part 2

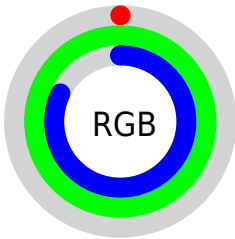
Format	Color
RYB	0, 140, 255
Decimal	65489
CIELab	89.92, -60.40, 7.95
CIELCh	90, 60.919, 172.501
Yxy	76.1234, 0.2413, 0.3886
Android (android.graphics.Color)	4278255569 (0xFF00FFD1)
YUV	173.5110, 17.4961, -152.1691
Hunter-Lab	87.2487, -55.9796, 11.7906

Details

The XYZ color **47.2686, 76.1234, 72.5236** 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 **41.7346, 21.4587, 4.5318**, and the grayscale version is **39.9522, 42.0328, 45.7737**.

A 20% lighter version of the original color is **61.1461, 82.5219, 107.3133**, and **25.8826, 42.2991, 37.8107** is the 20% darker color. If you saturate the color by 10%, you get **47.2678, 76.1231, 72.5193**, and if you desaturate by 10%, it is **48.2615, 76.5685, 75.5882**.

Distribution



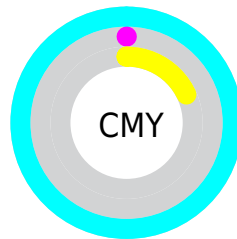
- Red (0%)
- Green (100%)
- Blue (82%)



- Red (0%)
- Yellow (55%)
- Blue (100%)



- Cyan (100%)
- Magenta (0%)
- Yellow (18%)
- Black (0%)





- Cyan (100%)
- Magenta (0%)
- Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 47.2686, 76.1234, 72.5236 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 47.2686, 76.1234, 72.5236 by changing the saturation by 10% instead.


 47.2686, 76.1234,
72.5236


 47.2686, 76.1234,
72.5236


366.5167,
481.7700, 488.3885


 33.4569, 56.5337,
53.0971


 85.3307, 127.9013,
124.5153


 22.6376, 40.6310,
37.4920


 110.3118,
160.8583, 157.9175

 14.4454, 28.0309,
25.2899


 139.7468,
199.0399, 196.8154

 8.5148, 18.3489,
16.0722

 174.0010,
242.8304, 241.6275

 4.4807, 11.2008,
9.4203

 213.4397,
292.6143, 292.7723

 1.9775, 6.2021,
4.9158

258.4283,

 0.6213, 2.9683,

348.7760, 350.6684

2.1401

309.3322,
411.6997, 415.7342

■ 0.0000, 1.1152,
0.6395

■ 0.0000, 0.0000,
0.0000

■ 47.2686, 76.1234,
72.5236

■ 47.2686, 76.1234,
72.5236

■ 47.2678, 76.1231,
72.5193

■ 48.2615, 76.5685,
75.5882

■ 49.8092, 77.2977,
78.7641

■ 52.0771, 78.3962,
82.0609

■ 55.1660, 79.9160,
85.4841

■ 59.1606, 81.9008,
89.0383

■ 64.1346, 84.3884,
92.7277

■ 70.1543, 87.4132,
96.5560

■ 77.2801, 91.0062,
100.5267

■ 85.5678, 95.1961,
104.6431

Harmonies

Analogous

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



51.7212, 76.1234, 41.9498



47.2686, 76.1234, 72.5236



48.7575, 76.1234, 118.8545

Triad

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



47.2686, 76.1234, 72.5236



84.0128, 76.1234, 185.5657



91.4557, 76.1234, 32.9570

Complementary

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



47.2686, 76.1234, 72.5236



41.7346, 21.4587, 4.5318

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.



102.5461, 76.1234, 55.0214



47.2686, 76.1234, 72.5236



97.8499, 76.1234, 144.3300

Square

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



47.2686, 76.1234, 72.5236



68.6382, 76.1234, 195.3240



105.0353, 76.1234, 94.1900



76.1995, 76.1234, 24.8466

Rectangle

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



47.2686, 76.1234, 72.5236



53.0309, 76.1234, 152.5047



105.0353, 76.1234, 94.1900



95.8767, 76.1234, 38.5262

Sweetspot

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



47.2695, 76.1239, 72.5250



70.1418, 87.4069, 96.5486



36.9229, 72.1195, 11.9758



14.4420, 18.4214, 20.3162



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.



47.2695, 76.1239, 72.5250



47.2678, 76.1231, 72.5193



33.2380, 37.5950, 100.1125



18.4060, 20.4219, 22.4407



24.7494, 39.7964, 38.1613



2.4448, 3.8888, 3.9000

Inverse Universe

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



41.7346, 21.4587, 4.5318



41.7333, 21.4573, 4.5275



44.1666, 27.1128, 2.9068



18.1432, 18.0406, 19.3711



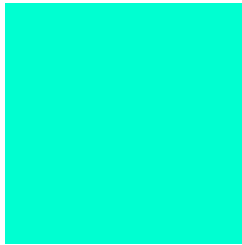
21.8449, 11.2272, 2.5676



2.1615, 1.1070, 0.4318

Previews

White Background



This preview shows how the XYZ color 47.2686, 76.1234, 72.5236 looks on a white background.

Color Contrast Check

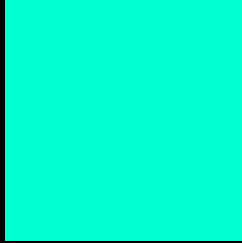
Large Text (above 18pt) WCAG AA × Fail

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 47.2686, 76.1234, 72.5236 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

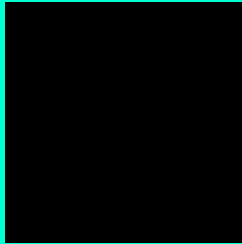
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 47.2686, 76.1234, 72.5236

Background



This preview shows how black text looks on a background with the XYZ color 47.2686, 76.1234, 72.5236.

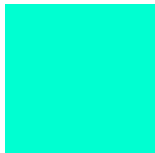


This preview shows how white text looks on a background with the XYZ color 47.2686, 76.1234,

Color Blindness Simulation

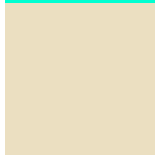
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



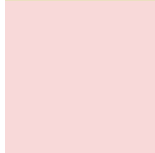
Original Color

47.2686, 76.1234, 72.5236



Protanopia

70.2743, 74.2878, 61.0872



Deuteranopia

76.0486, 74.5919, 76.0351



Tritanopia

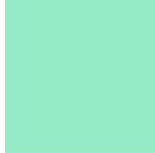
60.3654, 75.2910, 105.9588

Trichromacy



Original Color

47.2686, 76.1234, 72.5236



Protanomaly

52.5948, 70.0242, 64.7768



Deuteranomaly

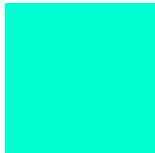
54.8141, 69.2760, 74.1009



Tritanomaly

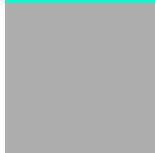
52.3015, 73.6515, 92.3485

Monochromacy



Original Color

47.2686, 76.1234, 72.5236



Achromatopsia

40.2316, 42.3268, 46.0938



Achromatomaly

36.8811, 49.6792, 54.6589

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.2686, 76.1234, 72.5236 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, 209)` looks like.

```
.text, #text, p{  
    color:rgb(0, 255, 209)  
}
```

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, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 255, 209) }
```

Border

The CSS property to change the border of an element to XYZ 47.2686, 76.1234, 72.5236 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, 209) }
```


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

```
.border{ border-color:rgb(0, 255, 209) }
```

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, 209) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 255, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 255, 209);  
box-shadow:4px 4px 4px 4px rgb(0, 255,  
209) }
```

Background

The CSS property to change the background color of an element to XYZ 47.2686, 76.1234, 72.5236 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, 209) }
```

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

```
.background{ background-color: rgb(0, 255,  
209) }
```

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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