

Converting Colors

XYZ(47.9459, 70.0985, 95.2047)

Have a look what the booklet for
XYZ(47.9459, 70.0985, 95.2047)
contains.

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Color

**XYZ(47.8417, 69.9473,
94.9841)**

Conversions

Conversions Part 1

Format	Color
Hex	05F2F2
RGB	5, 242, 242
RGB Percent	2%, 95%, 95%
CMY	0.9801, 0.0510, 0.0510
CMYK	0.98, 0.00, 0.00, 0.05
HSL	180°, 96%, 48%
HSV	180°, 98%, 95%
XYZ	47.8417, 69.9473, 94.9841
YIQ	171.1370, -141.2520, -50.2440

Conversions

Conversions Part 2

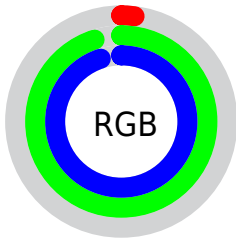
Format	Color
R _Y B	5, 124, 242
Decimal	389874
CIE Lab	86.97, -46.11, -13.56
CIE LCh	87, 48.060, 196.393
Yxy	69.9473, 0.2248, 0.3287
Android (android.graphics.Color)	4278579954 (0xFF05F2F2)
YUV	171.1370, 34.9355, -145.7021
Hunter-Lab	83.6345, -44.2525, -8.7918

Details

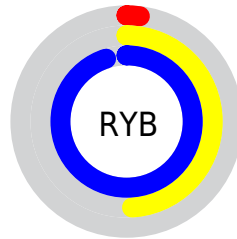
The XYZ color **47.8417, 69.9473, 94.9841** is a light color, and the websafe version is hex **33FFFF**. The color can be described as light saturated cyan. A complement of this color would be **36.7019, 18.9989, 1.8783**, and the grayscale version is **38.6690, 40.6828, 44.3035**.

A 20% lighter version of the original color is **61.2812, 82.5916, 107.3196**, and **26.2119, 38.2431, 52.4545** is the 20% darker color. If you saturate the color by 10%, you get **47.7804, 69.9172, 94.9828**, and if you desaturate by 10%, it is **48.2947, 70.1823, 95.0070**.

Distribution



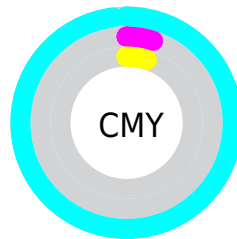
- Red (2%)
- Green (95%)
- Blue (95%)



- Red (2%)
- Yellow (49%)
- Blue (95%)



- Cyan (98%)
- Magenta (0%)
- Yellow (0%)
- Black (5%)





- Cyan (98%)
- Magenta (5%)
- Yellow (5%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 47.8417, 69.9473, 94.9841 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 47.8417, 69.9473, 94.9841 by changing the saturation by 10% instead.


 47.8417, 69.9473,
94.9841


 47.8417, 69.9473,
94.9841


368.7574,
460.3649, 565.0971


 33.9123, 51.4836,
71.5249


 86.1798, 119.1336,
156.2380


 22.9888, 36.5936,
52.2862

 111.3192,
150.6250, 194.8699


 14.7059, 24.8930,
36.8495


 140.9259,
187.2277, 239.3963

 8.6982, 15.9973,
24.7961

 175.3653,
229.3261, 290.2360

 4.6004, 9.5223,
15.7076

 215.0028,
277.3046, 347.8073

 2.0471, 5.0834,
9.1653

260.2038,

 0.6602, 2.2963,

331.5477, 412.5290

4.7509

311.3335,
392.4397, 484.8194

■ 0.0000, 0.7717,
2.0457

■ 0.0000, 0.0000,
0.5832

■ 47.8417, 69.9473,
94.9841

■ 47.8417, 69.9473,
94.9841

■ 47.7804, 69.9172,
94.9828

■ 48.2947, 70.1823,
95.0070

■ 49.2733, 70.6868,
95.0530

■ 50.8951, 71.5229,
95.1290

■ 53.2449, 72.7343,
95.2391

■ 56.3946, 74.3580,
95.3867

■ 60.4075, 76.4267,
95.5746

■ 65.3406, 78.9698,
95.8056

■ 71.2459, 82.0141,
96.0821

■ 78.1716, 85.5844,
96.4063

Harmonies

Analogous

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



47.6238, 69.9473, 62.5163



47.8417, 69.9473, 94.9841



52.6720, 69.9473, 130.2988

Triad

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



47.8417, 69.9473, 94.9841



83.3789, 69.9473, 127.2811



71.6943, 69.9473, 30.4749

Complementary

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



47.8417, 69.9473, 94.9841



36.7019, 18.9989, 1.8783

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.



82.5185, 69.9473, 39.5800



47.8417, 69.9473, 94.9841



89.7600, 69.9473, 91.6586

Square

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



47.8417, 69.9473, 94.9841



72.7660, 69.9473, 152.2421



89.4285, 69.9473, 60.0046



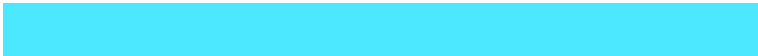
60.5721, 69.9473, 30.8994

Rectangle

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



47.8417, 69.9473, 94.9841



58.2037, 69.9473, 148.0570



89.4285, 69.9473, 60.0046



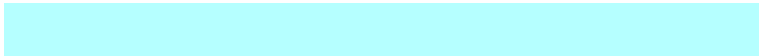
75.5120, 69.9473, 32.3813

Sweetspot

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



47.8438, 69.9499, 94.9858



72.8777, 88.5698, 107.8619



31.8937, 63.5756, 10.7358



15.0738, 18.6869, 23.0623



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.



47.8438, 69.9499, 94.9858



53.8097, 78.7399, 106.9684



23.7429, 21.7476, 86.9534



16.2474, 17.9290, 20.3259



25.6672, 37.5589, 51.0239



2.1353, 3.1245, 4.2447

Inverse Universe

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



36.7019, 18.9989, 1.8783



41.2400, 21.2600, 1.9301



43.3136, 32.2224, 4.0821



15.7729, 15.7589, 16.3602



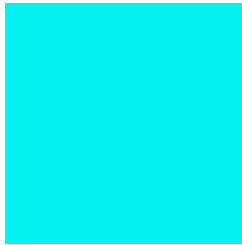
19.6715, 10.1410, 0.9206



1.6365, 0.8436, 0.0766

Previews

White Background



This preview shows how the XYZ color 47.8417, 69.9473, 94.9841 looks on a white background.

Color Contrast Check

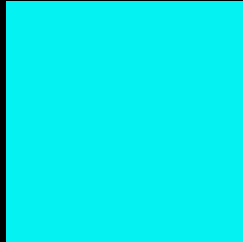
Large Text (above 18pt) WCAG AA × Fail

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 47.8417, 69.9473, 94.9841 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 47.8417, 69.9473, 94.9841

Background



This preview shows how black text looks on a background with the XYZ color 47.8417, 69.9473, 94.9841.

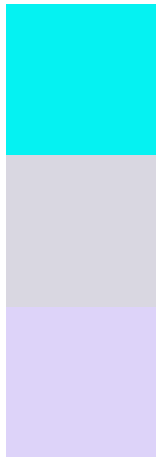


This preview shows how white text looks on a background with the XYZ color 47.8417, 69.9473,

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

47.8417, 69.9473, 94.9841

Protanopia

66.5063, 68.7888, 81.0065

Deuteranopia

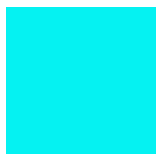
70.2119, 68.8002, 99.2017



Tritanopia

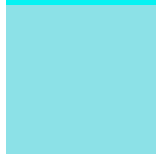
51.9903, 69.6732, 105.3158

Trichromacy



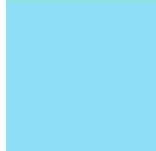
Original Color

47.8417, 69.9473, 94.9841



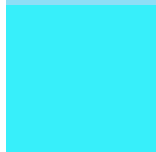
Protanomaly

52.1642, 65.1954, 85.4359



Deuteranomaly

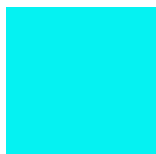
53.9112, 64.6472, 96.8255



Tritanomaly

49.6974, 69.4474, 101.2278

Monochromacy



Original Color

47.8417, 69.9473, 94.9841



Achromatopsia

38.7082, 40.7240, 44.3485



Achromatomaly

36.5998, 47.3432, 60.0325

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.8417, 69.9473, 94.9841 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(5, 242, 242)` looks like.

```
.text, #text, p{  
    color:rgb(5, 242, 242)  
}
```

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(5, 242, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(5, 242, 242) }
```

Border

The CSS property to change the border of an element to XYZ 47.8417, 69.9473, 94.9841 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(5, 242, 242) }
```


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

```
.border{ border-color:rgb(5, 242, 242) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(5, 242, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(5, 242, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(5, 242, 242);  
box-shadow:4px 4px 4px 4px rgb(5, 242,  
242) }
```

Background

The CSS property to change the background color of an element to XYZ 47.8417, 69.9473, 94.9841 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(5, 242, 242) }
```

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

```
.background{ background-color: rgb(5, 242,  
242) }
```

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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