

# Converting Colors

XYZ(50.3094, 74.4646, 70.7530)

Have a look what the booklet for  
XYZ(50.3094, 74.4646, 70.7530)  
contains.

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# Color

**XYZ(50.3094, 74.4646,  
70.7530)**

# Conversions

## Conversions Part 1

Format	Color
Hex	66F8CF
RGB	102, 248, 207
RGB Percent	40%, 97%, 81%
CMY	0.6000, 0.0274, 0.1882
CMYK	0.59, 0.00, 0.17, 0.03
HSL	163°, 91%, 69%
HSV	163°, 59%, 97%
XYZ	50.3094, 74.4646, 70.7530
YIQ	199.6720, -73.8550, -43.7030

# Conversions

## Conversions Part 2

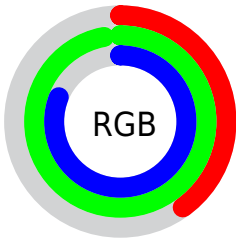
Format	Color
<a href="#">RYB</a>	<a href="#">102, 187, 248</a>
Decimal	<a href="#">6748367</a>
CIELab	<a href="#">89.14, -48.74, 8.05</a>
CIELCh	<a href="#">89, 49.398, 170.624</a>
Yxy	<a href="#">74.4646, 0.2573, 0.3808</a>
Android (android.graphics.Color)	<a href="#">4284938447 (0xFF66F8CF)</a>
YUV	<a href="#">199.6720, 3.6127, -85.6583</a>
Hunter-Lab	<a href="#">86.2929, -46.9457, 11.7921</a>

# Details

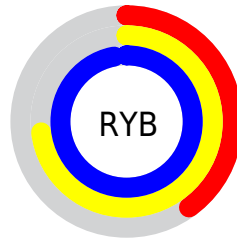
The XYZ color **50.3094, 74.4646, 70.7530** is a light color, and the websafe version is hex **66FFCC**. A complement of this color would be **48.4232, 31.4443, 29.5067**, and the grayscale version is **54.7109, 57.5602, 62.6830**.

A 20% lighter version of the original color is **69.1198, 86.6325, 107.6865**, and **24.5943, 39.6717, 36.4981** is the 20% darker color. If you saturate the color by 10%, you get **47.0755, 72.8955, 66.2554**, and if you desaturate by 10%, it is **54.4255, 76.4878, 75.4913**.

# Distribution



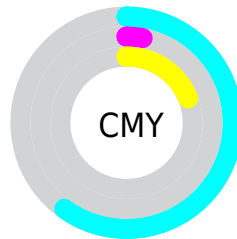
- Red (40%)
- Green (97%)
- Blue (81%)



- Red (40%)
- Yellow (73%)
- Blue (97%)



- Cyan (59%)
- Magenta (0%)
- Yellow (17%)
- Black (3%)




- Cyan (60%)
- Magenta (3%)
- Yellow (19%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 50.3094, 74.4646, 70.7530 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 50.3094, 74.4646, 70.7530 by changing the saturation by 10% instead.





 50.3094, 74.4646,  
70.7530


 50.3094, 74.4646,  
70.7530


378.3067,  
476.0753, 482.0499


 35.8781, 55.1744,  
51.6601


 89.8222, 125.5542,  
121.9731

 24.5097, 39.5414,  
36.3538


 115.6344,  
158.1224, 154.9374

 15.8390, 27.1811,  
24.4157


 145.9710,  
195.8853, 193.3625

 9.5004, 17.7093,  
15.4272

181.1973,  
239.2274, 237.6670

 5.1287, 10.7415,  
8.9698

221.6787,  
288.5330, 288.2695

 2.3585, 5.8933,  
4.6250

267.7804,

 0.8243, 2.7803,

344.1866, 345.5884

1.9741

319.8680,  
406.5726, 410.0424

0.0000, 1.0181,  
0.5393

0.0000, 0.0000,  
0.0000

50.3094, 74.4646,  
70.7530

50.3094, 74.4646,  
70.7530

47.0755, 72.8955,  
66.2554

54.4255, 76.4878,  
75.4913

44.6394, 71.7317,  
61.9871


59.4860, 78.9916,  
80.4707


42.9111, 70.9284,  
57.9431


65.5544, 82.0106,  
85.6982

41.7549, 70.4159,  
54.1142

72.6871, 85.5737,  
91.1789

 41.6403, 70.3660,  
53.6939

 80.9359, 89.7077,  
96.9174

 90.3494, 94.4374,  
102.9184

 92.8587, 95.6174,  
108.1696

# Harmonies

## Analogous

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



54.3513, 74.4646, 45.8797



50.3094, 74.4646, 70.7530



51.2503, 74.4646, 106.7384

# Triad

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



50.3094, 74.4646, 70.7530



79.2453, 74.4646, 160.2799



86.4978, 74.4646, 39.8780

# Complementary

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



50.3094, 74.4646, 70.7530



48.4232, 31.4443, 29.5067

# 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.



94.7219, 74.4646, 59.9019



50.3094, 74.4646, 70.7530



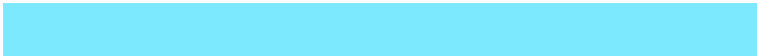
90.2162, 74.4646, 130.8180

# Square

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



50.3094, 74.4646, 70.7530



67.0724, 74.4646, 165.6343



96.1548, 74.4646, 92.3644



74.6143, 74.4646, 31.6893



# Rectangle

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



50.3094, 74.4646, 70.7530



54.6233, 74.4646, 132.3445



96.1548, 74.4646, 92.3644



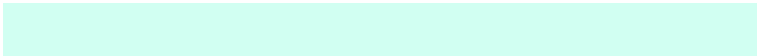
89.8360, 74.4646, 45.1276

# Sweetspot

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



50.3115, 74.4675, 70.7547



78.1263, 91.5073, 97.6356



47.3593, 73.9696, 24.3532



16.2163, 19.3332, 20.5264



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.



50.3115, 74.4675, 70.7547



49.4978, 77.3409, 69.5432



47.0750, 58.9047, 97.6990



17.5457, 19.5206, 21.0743



22.5562, 38.0355, 29.3358



2.1343, 3.5408, 2.9551



# Inverse Universe

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



48.4232, 31.4443, 29.5067



47.3741, 27.6263, 22.1693



49.5866, 37.8670, 17.2672



17.4449, 17.3053, 18.9329



21.5544, 11.0375, 4.3619

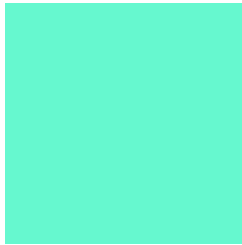


2.0395, 1.0395, 0.6312



# Previews

## White Background



This preview shows how the XYZ color 50.3094, 74.4646, 70.7530 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

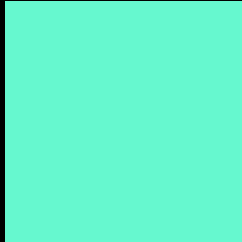
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 50.3094, 74.4646, 70.7530 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

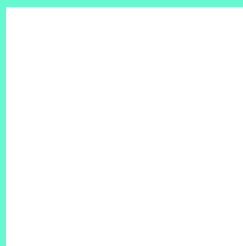
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 50.3094, 74.4646, 70.7530

## Background



This preview shows how black text looks on a background with the XYZ color 50.3094, 74.4646, 70.7530.



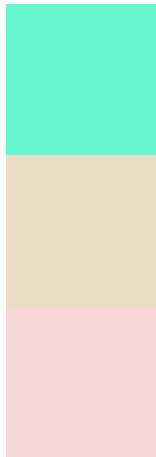
This preview shows how white text looks on a background with the XYZ color 50.3094, 74.4646,



# 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

50.3094, 74.4646, 70.7530

### Protanopia

69.3512, 73.4164, 60.9677

### Deuteranopia

74.7958, 73.2301, 73.8110



## Tritanopia

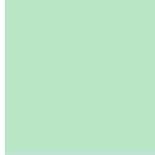
59.6090, 74.0318, 105.7556

# Trichromacy



## Original Color

50.3094, 74.4646, 70.7530



## Protanomaly

58.7765, 71.5433, 64.1375



## Deuteranomaly

61.4751, 71.1107, 72.1137



## Tritanomaly

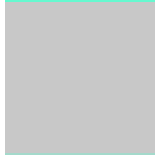
55.9371, 74.1893, 92.2607

# Monochromacy



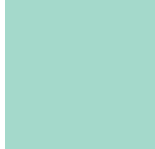
## Original Color

50.3094, 74.4646, 70.7530



## Achromatopsia

54.8990, 57.7580, 62.8985



## Achromatomaly

50.9022, 61.8300, 65.7515

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 50.3094, 74.4646, 70.7530 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(102, 248, 207)` looks like.

```
.text, #text, p{  
    color:rgb(102, 248, 207)  
}
```

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(102, 248, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 248, 207) }
```

## Border

The CSS property to change the border of an element to XYZ 50.3094, 74.4646, 70.7530 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(102, 248, 207) }
```



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

```
.border{ border-color:rgb(102, 248, 207) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 248, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 248, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 248, 207);  
box-shadow:4px 4px 4px 4px rgb(102, 248,  
207) }
```

# Background

The CSS property to change the background color of an element to XYZ 50.3094, 74.4646, 70.7530 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 248, 207) }
```

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

```
.background{ background-color: rgb(102,  
248, 207) }
```

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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