

# Converting Colors

XYZ(45.6331, 68.8627,  
151.6521)

Have a look what the booklet for  
XYZ(45.6331, 68.8627, 151.6521)  
contains.

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# Color

**XYZ(50.7024, 72.5248,  
105.9341)**

# Conversions

## Conversions Part 1

Format	Color
Hex	00F5FF
RGB	0, 245, 255
RGB Percent	0%, 96%, 100%
CMY	0.9997, 0.0392, 0.0000
CMYK	1.00, 0.04, 0.00, 0.00
HSL	182°, 100%, 50%
HSV	182°, 100%, 100%
XYZ	50.7024, 72.5248, 105.9341
YIQ	172.8850, -149.2300, -48.8300

# Conversions

## Conversions Part 2

Format	Color
<a href="#">RYB</a>	<a href="#">0, 125, 255</a>
Decimal	<a href="#">62975</a>
CIELab	<a href="#">88.22, -43.72, -18.49</a>
CIELCh	<a href="#">88, 47.466, 202.922</a>
Yxy	<a href="#">72.5248, 0.2213, 0.3165</a>
Android (android.graphics.Color)	<a href="#">4278253055</a> ( <a href="#">0xFF00F5FF</a> )
YUV	<a href="#">172.8850, 40.4827, -151.6201</a>
Hunter-Lab	<a href="#">85.1615, -42.7595, -14.1390</a>

# Details

The XYZ color **50.7024, 72.5248, 105.9341** 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 **41.3498, 21.4788, 1.9687**, and the grayscale version is **39.5291, 41.5877, 45.2890**.

A 20% lighter version of the original color is **61.5557, 82.7331, 107.3325**, and **28.1763, 40.0437, 59.6702** is the 20% darker color. If you saturate the color by 10%, you get **50.7025, 72.5250, 105.9342**, and if you desaturate by 10%, it is **51.4221, 73.3477, 106.0550**.

# Distribution



- Red (0%)
- Green (96%)
- Blue (100%)



- Red (0%)
- Yellow (49%)
- Blue (100%)



- Cyan (100%)
- Magenta (4%)
- Yellow (0%)
- Black (0%)



- Cyan (100%)
- Magenta (4%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 50.7024, 72.5248, 105.9341 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 50.7024, 72.5248, 105.9341 by changing the saturation by 10% instead.



50.7024, 72.5248,  
105.9341

50.7024, 72.5248,  
105.9341

379.8132,  
469.3662, 600.4634

36.1919, 53.5875,  
80.6211

90.4003, 122.8024,  
171.4111

24.7532, 38.2720,  
59.7004

116.3185,  
154.9114, 212.4122

16.0211, 26.1938,  
42.7535

146.7699,  
192.1798, 259.4798

9.6300, 16.9687,  
29.3618

182.1199,  
234.9920, 313.0324

5.2147, 10.2122,  
19.1068

222.7339,  
283.7323, 373.4885

2.4098, 5.5399,  
11.5698

268.9772,

0.8500, 2.5674,

338.7852, 441.2666

6.3325

321.2152,  
400.5350, 516.7854

■ 0.0000, 0.9103,  
2.9763

■ 0.0000, 0.0000,  
1.0825

■ 50.7024, 72.5248,  
105.9341

■ 50.7024, 72.5248,  
105.9341

■ 50.7025, 72.5250,  
105.9342

■ 51.4221, 73.3477,  
106.0550

■ 52.6809, 74.4494,  
106.2013

■ 54.6449, 75.9171,  
106.3811

■ 57.4149, 77.8026,  
106.5991

61.0752, 80.1497,  
106.8592

65.6995, 82.9961,  
107.1649

71.3541, 86.3761,  
107.5192

78.0992, 90.3207,  
107.9251

85.9903, 94.8586,  
108.3851

# Harmonies

## Analogous

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



49.4427, 72.5248, 71.5047



50.7024, 72.5248, 105.9341



56.5803, 72.5248, 140.1548

# Triad

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



50.7024, 72.5248, 105.9341



87.8764, 72.5248, 123.0235



71.6602, 72.5248, 31.7222

# Complementary

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



50.7024, 72.5248, 105.9341



41.3498, 21.4788, 1.9687

# 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.



82.9635, 72.5248, 38.8234



50.7024, 72.5248, 105.9341



92.9701, 72.5248, 86.9316

# Square

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



50.7024, 72.5248, 105.9341



77.7981, 72.5248, 151.7646



91.0800, 72.5248, 57.0155



60.7676, 72.5248, 34.2156



# Rectangle

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



50.7024, 72.5248, 105.9341



62.7128, 72.5248, 155.1631



91.0800, 72.5248, 57.0155



75.5507, 72.5248, 32.9812

# Sweetspot

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



50.7044, 72.5274, 105.9345



71.3355, 86.3651, 107.5181



35.8079, 71.5393, 12.1674



14.7310, 18.1664, 22.9800



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.



50.7044, 72.5274, 105.9345



50.7025, 72.5250, 105.9342



24.6527, 20.4239, 97.2506



18.4902, 20.3520, 23.2037



26.5202, 37.9499, 55.3619



2.6004, 3.7316, 5.3965



# Inverse Universe

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



57.7228, 27.8544, 88.7230



57.7215, 27.8526, 88.7203



50.0496, 38.8786, 4.8686



18.7601, 18.2873, 22.6197



30.1744, 14.5590, 46.4301

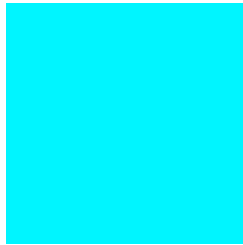


2.9472, 1.4212, 4.5693



# Previews

## White Background



This preview shows how the XYZ color 50.7024, 72.5248, 105.9341 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

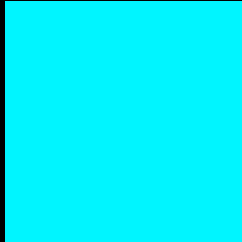
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 50.7024, 72.5248, 105.9341 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

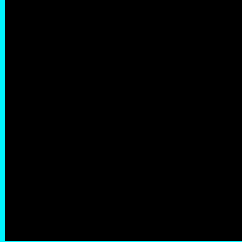
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

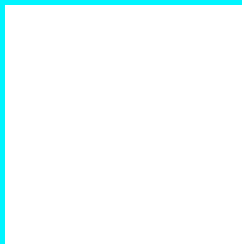
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 50.7024, 72.5248, 105.9341

## Background



This preview shows how black text looks on a background with the XYZ color 50.7024, 72.5248, 105.9341.



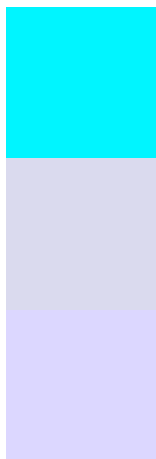
This preview shows how white text looks on a background with the XYZ color 50.7024, 72.5248,



# 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

50.7024, 72.5248, 105.9341

### Protanopia

69.4175, 71.2213, 90.9773

### Deuteranopia

71.8656, 71.0365, 104.5314



## Tritanopia

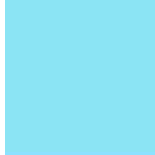
55.4720, 72.3325, 105.6456

# Trichromacy



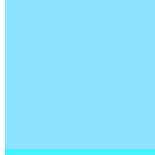
## Original Color

50.7024, 72.5248, 105.9341



## Protanomaly

54.7200, 67.5074, 95.7341



## Deuteranomaly

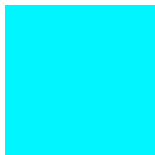
56.0616, 67.1882, 104.6216



## Tritanomaly

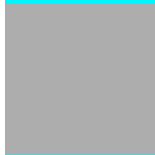
52.1038, 71.4702, 105.6567

# Monochromacy



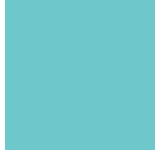
## Original Color

50.7024, 72.5248, 105.9341



## Achromatopsia

39.7200, 41.7885, 45.5077



## Achromatomaly

37.6333, 48.4736, 63.8728

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 50.7024, 72.5248, 105.9341 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, 245, 255)` looks like.

```
.text, #text, p{  
    color:rgb(0, 245, 255)  
}
```

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, 245, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 245, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 50.7024, 72.5248, 105.9341 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, 245, 255) }
```



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

```
.border{ border-color:rgb(0, 245, 255) }
```

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

Here you see how a box with a 4 pixel rgb(0, 245, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 245, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 245, 255);  
box-shadow:4px 4px 4px 4px rgb(0, 245,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 50.7024, 72.5248, 105.9341 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 245, 255) }
```

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

```
.background{ background-color: rgb(0, 245,  
255) }
```

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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