

# Converting Colors

XYZ(50.3274, 69.2931, 76.4751)

Have a look what the booklet for  
XYZ(50.3274, 69.2931, 76.4751)  
contains.

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# Color

**XYZ(50.4163, 69.5001,  
76.4033)**

# Conversions

## Conversions Part 1

Format	Color
Hex	77EDD9
RGB	119, 237, 217
RGB Percent	47%, 93%, 85%
CMY	0.5333, 0.0706, 0.1490
CMYK	0.50, 0.00, 0.08, 0.07
HSL	170°, 77%, 70%
HSV	170°, 50%, 93%
XYZ	50.4163, 69.5001, 76.4033
YIQ	199.4380, -63.9080, -31.2360

# Conversions

## Conversions Part 2

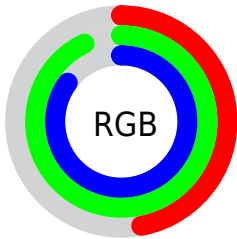
Format	Color
R <sub>YB</sub>	119, 183, 237
Decimal	7859673
CIE Lab	86.75, -38.15, -0.57
CIE LCh	87, 38.152, 180.852
Yxy	69.5001, 0.2568, 0.3540
Android (android.graphics.Color)	4286049753 (0xFF77EDD9)
YUV	199.4380, 8.6581, -70.5441
Hunter-Lab	83.3667, -37.9433, 4.0191

# Details

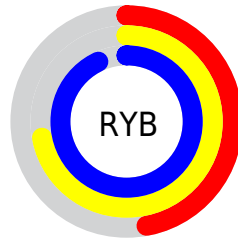
The XYZ color **50.4163, 69.5001, 76.4033** is a light color, and the websafe version is hex **66FFFF**. A complement of this color would be **46.1844, 33.0641, 28.3763**, and the grayscale version is **54.5327, 57.3727, 62.4788**.

A 20% lighter version of the original color is **72.1701, 88.2050, 107.8292**, and **24.6763, 36.4971, 39.9265** is the 20% darker color. If you saturate the color by 10%, you get **47.0445, 67.8233, 73.5520**, and if you desaturate by 10%, it is **54.6157, 71.6055, 79.3628**.

# Distribution



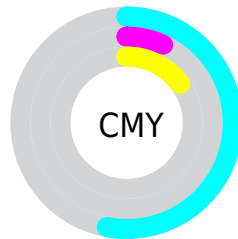
- Red (47%)
- Green (93%)
- Blue (85%)



- Red (47%)
- Yellow (72%)
- Blue (93%)



- Cyan (50%)
- Magenta (0%)
- Yellow (8%)
- Black (7%)



- Cyan (53%)
- Magenta (7%)
- Yellow (15%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 50.4163, 69.5001, 76.4033 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 50.4163, 69.5001, 76.4033 by changing the saturation by 10% instead.





 50.4163, 69.5001,  
76.4033


 50.4163, 69.5001,  
76.4033


378.7168,  
458.7928, 502.1107


 35.9634, 51.1191,  
56.2546


 89.9795, 118.4956,  
130.0621

 24.5759, 36.3034,  
40.0018


 115.8206,  
149.8789, 164.4094

 15.8884, 24.6686,  
27.2261


 146.1884,  
186.3650, 204.3266

 9.5356, 15.8303,  
17.5092

181.4484,  
228.3384, 250.2323

 5.1520, 9.4042,  
10.4324

221.9659,  
276.1835, 302.5450

 2.3724, 5.0057,  
5.5772

268.1062,

 0.8313, 2.2506,

330.2847, 361.6833

2.5252

320.2347,  
391.0263, 428.0657

■ 0.0000, 0.7474,  
0.8535

■ 0.0000, 0.0000,  
0.0000

■ 50.4163, 69.5001,  
76.4033

■ 50.4163, 69.5001,  
76.4033

■ 47.0445, 67.8233,  
73.5520

■ 54.6157, 71.6055,  
79.3628

■ 44.4329, 66.5351,  
70.8008


■ 59.6919, 74.1598,  
82.4286


■ 42.5131, 65.6021,  
68.1473


■ 65.6973, 77.1916,  
85.6053

■ 41.2015, 64.9813,  
65.5874


■ 72.6785, 80.7250,  
88.8954

 40.3599, 64.6013,  
63.1140


 80.6788, 84.7822,  
92.3015

 40.3439, 64.5942,  
63.0624

 87.4185, 88.1880,  
95.7172

 88.0258, 88.4309,  
98.9151

 88.6464, 88.6792,  
102.1831

 89.2804, 88.9328,  
105.5217

# Harmonies

## Analogous

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



52.2418, 69.5001, 54.2712



50.4163, 69.5001, 76.4033



52.4592, 69.5001, 103.6175

# Triad

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



50.4163, 69.5001, 76.4033



75.2049, 69.5001, 125.8849



74.7264, 69.5001, 40.5017

# Complementary

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



50.4163, 69.5001, 76.4033



46.1844, 33.0641, 28.3763

# 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.



81.8240, 69.5001, 53.2683



50.4163, 69.5001, 76.4033



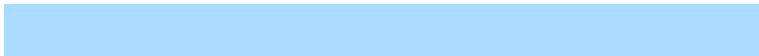
82.1172, 69.5001, 102.0721

# Square

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



50.4163, 69.5001, 76.4033



66.3120, 69.5001, 135.8421



84.6398, 69.5001, 74.9489



65.8042, 69.5001, 36.5592



# Rectangle

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



50.4163, 69.5001, 76.4033



55.8557, 69.5001, 120.2751



84.6398, 69.5001, 74.9489



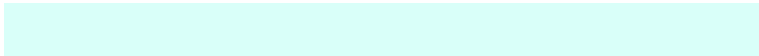
77.4321, 69.5001, 43.7377

# Sweetspot

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



50.4183, 69.5028, 76.4049



81.3245, 93.0428, 102.9002



44.5383, 67.5338, 28.1419



17.0405, 19.7297, 21.8497



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.



50.4183, 69.5028, 76.4049



55.3914, 80.0055, 86.6993



43.4654, 51.1777, 87.7113



15.4017, 17.0755, 18.7980



22.0681, 35.2817, 34.6533



1.7619, 2.7821, 2.8739



# Inverse Universe

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



46.1844, 33.0641, 28.3763



49.8834, 32.3195, 24.0089



50.2072, 43.2388, 23.1537



15.1696, 15.0957, 16.1787



19.3110, 9.9271, 2.1733

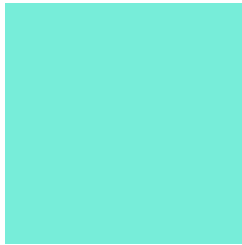


1.5470, 0.7918, 0.3320



# Previews

## White Background



This preview shows how the XYZ color 50.4163, 69.5001, 76.4033 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

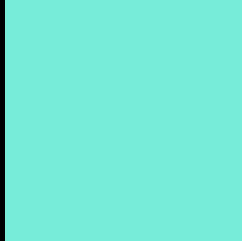
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 50.4163, 69.5001, 76.4033 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

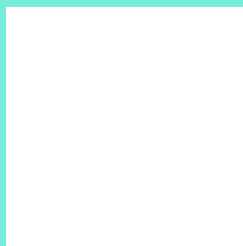
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 50.4163, 69.5001, 76.4033**

## **Background**



This preview shows how black text looks on a background with the XYZ color 50.4163, 69.5001, 76.4033.



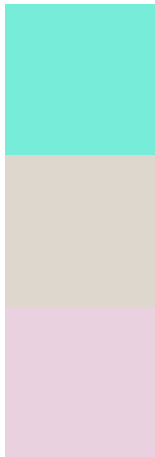
This preview shows how white text looks on a background with the XYZ color 50.4163, 69.5001,



# 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

50.4163, 69.5001, 76.4033

### Protanopia

65.4441, 68.5383, 67.5375

### Deuteranopia

69.7240, 68.2523, 79.3112



## Tritanopia

55.4751, 69.4241, 101.7431

# Trichromacy



## Original Color

50.4163, 69.5001, 76.4033



## Protanomaly

57.9039, 67.6931, 70.3358



## Deuteranomaly

60.1209, 67.0900, 78.1876



## Tritanomaly

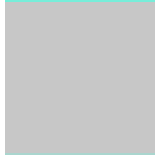
53.6070, 69.5133, 92.2534

# Monochromacy



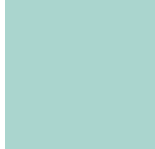
## Original Color

50.4163, 69.5001, 76.4033



## Achromatopsia

54.2854, 57.1125, 62.1955



## Achromatomaly

51.5124, 60.5908, 67.3727

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 50.4163, 69.5001, 76.4033 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(119, 237, 217)` looks like.

```
.text, #text, p{  
    color:rgb(119, 237, 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(119, 237, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 237, 217) }
```

## Border

The CSS property to change the border of an element to XYZ 50.4163, 69.5001, 76.4033 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(119, 237, 217) }
```



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

```
.border{ border-color:rgb(119, 237, 217) }
```

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

Here you see how a box with a 4 pixel `rgb(119, 237, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(119, 237, 217); -webkit-box-shadow:4px 4px 4px 4px rgb(119, 237, 217); box-shadow:4px 4px 4px 4px rgb(119, 237, 217) }
```

# Background

The CSS property to change the background color of an element to XYZ 50.4163, 69.5001, 76.4033 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 237, 217) }
```

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

```
.background{ background-color: rgb(119,  
237, 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](#).

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