

# Converting Colors

XYZ(50.4529, 66.6860, 70.5341)

Have a look what the booklet for  
XYZ(50.4529, 66.6860, 70.5341)  
contains.

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# Color

**XYZ(50.4529, 66.6860,  
70.5341)**

# Conversions

## Conversions Part 1

Format	Color
Hex	8BE6D1
RGB	139, 230, 209
RGB Percent	55%, 90%, 82%
CMY	0.4549, 0.0980, 0.1804
CMYK	0.40, 0.00, 0.09, 0.10
HSL	166°, 65%, 72%
HSV	166°, 40%, 90%
XYZ	50.4529, 66.6860, 70.5341
YIQ	200.3970, -47.4950, -25.8230

# Conversions

## Conversions Part 2

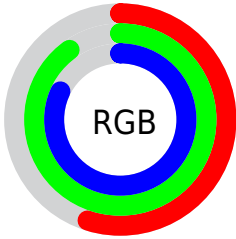
Format	Color
<a href="#">RYB</a>	<a href="#">139, 190, 230</a>
Decimal	<a href="#">9168593</a>
CIELab	<a href="#">85.35, -31.99, 1.68</a>
CIELCh	<a href="#">85, 32.034, 176.992</a>
Yxy	<a href="#">66.6860, 0.2688, 0.3553</a>
Android (android.graphics.Color)	<a href="#">4287358673 (0xFF8BE6D1)</a>
YUV	<a href="#">200.3970, 4.2413, -53.8452</a>
Hunter-Lab	<a href="#">81.6615, -32.6250, 5.9520</a>

# Details

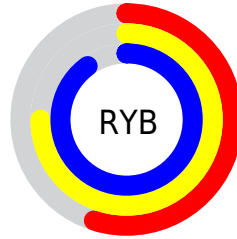
The XYZ color **50.4529, 66.6860, 70.5341** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **48.2132, 37.8281, 38.0208**, and the grayscale version is **55.1416, 58.0133, 63.1765**.

A 20% lighter version of the original color is **76.5750, 90.4758, 108.0354**, and **24.6197, 34.4777, 36.3676** is the 20% darker color. If you saturate the color by 10%, you get **46.3631, 64.6540, 66.9700**, and if you desaturate by 10%, it is **55.3762, 69.1486, 74.2545**.

# Distribution



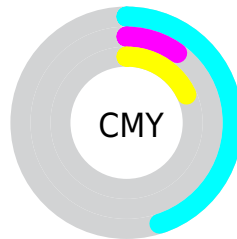
- Red (55%)
- Green (90%)
- Blue (82%)



- Red (55%)
- Yellow (75%)
- Blue (90%)



- Cyan (40%)
- Magenta (0%)
- Yellow (9%)
- Black (10%)



- Cyan (45%)
- Magenta (10%)
- Yellow (18%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 50.4529, 66.6860, 70.5341 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 50.4529, 66.6860, 70.5341 by changing the saturation by 10% instead.





 50.4529, 66.6860,  
70.5341


 50.4529, 66.6860,  
70.5341


378.8572,  
448.8263, 481.2628

 35.9927, 48.8295,  
51.4826


 90.0334, 114.4704,  
121.6584

 24.5986, 34.4842,  
36.2134


 115.8843,  
145.1670, 154.5682

 15.9054, 23.2659,  
24.3081

146.2629,  
180.9125, 192.9345

 9.5477, 14.7899,  
15.3480

181.5344,  
222.0912, 237.1759

 5.1600, 8.6721,  
8.9147

222.0642,  
269.0876, 287.7109

 2.3772, 4.5279,  
4.5895

268.2177,

 0.8337, 1.9730,

322.2859, 344.9580

1.9540

320.3603,  
382.0707, 409.3358

■ 0.0000, 0.5917,  
0.5268

■ 0.0000, 0.0000,  
0.0000

■ 50.4529, 66.6860,  
70.5341

■ 50.4529, 66.6860,  
70.5341

■ 46.3631, 64.6540,  
66.9700

■ 55.3762, 69.1486,  
74.2545

■ 43.0499, 63.0182,  
63.5539

■ 61.1743, 72.0578,  
78.1298


■ 40.4581, 61.7517,  
60.2838


■ 67.8923, 75.4387,  
82.1646


■ 38.5224, 60.8211,  
57.1554


■ 75.5705, 79.3120,  
86.3619


 37.1658, 60.1865,  
54.1639

 84.2470, 83.6974,  
90.7244


 36.2614, 59.7827,  
51.3023

 85.3930, 84.1979,  
94.8542

 36.2258, 59.7670,  
51.1804

 86.1971, 84.5195,  
99.0885

 87.0245, 84.8505,  
103.4455

 87.5879, 85.0759,  
106.4126

# Harmonies

## Analogous

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



52.3939, 66.6860, 52.9551



50.4529, 66.6860, 70.5341



51.7520, 66.6860, 92.2849

# Triad

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



50.4529, 66.6860, 70.5341



69.9248, 66.6860, 114.3246



71.2868, 66.6860, 44.0052

# Complementary

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



50.4529, 66.6860, 70.5341



48.2132, 37.8281, 38.0208

# 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.



76.6379, 66.6860, 55.9509



50.4529, 66.6860, 70.5341



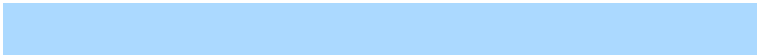
75.8104, 66.6860, 96.6098

# Square

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



50.4529, 66.6860, 70.5341



62.6541, 66.6860, 120.2367



78.3527, 66.6860, 74.7257



64.1176, 66.6860, 39.5852



# Rectangle

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



50.4529, 66.6860, 70.5341



54.3395, 66.6860, 105.9026



78.3527, 66.6860, 74.7257



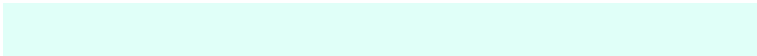
73.3781, 66.6860, 47.1469

# Sweetspot

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



50.4548, 66.6887, 70.5356



83.5582, 94.2047, 102.5356



47.5030, 65.9581, 34.6549



17.6401, 20.0404, 21.8024



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

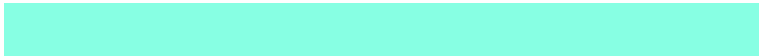


# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



50.4548, 66.6887, 70.5356



59.6879, 82.2482, 85.6485



46.9396, 55.2188, 83.0502



14.6577, 16.2765, 17.7281



20.5572, 33.8550, 29.2323



1.5539, 2.5157, 2.3431



# Inverse Universe

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



48.2132, 37.8281, 38.0208



56.5188, 41.2674, 39.5480



50.4401, 44.9783, 30.4506



14.5126, 14.4222, 15.6337



18.8787, 9.6857, 2.9904

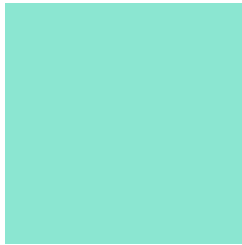


1.4302, 0.7298, 0.4060



# Previews

## White Background



This preview shows how the XYZ color 50.4529, 66.6860, 70.5341 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

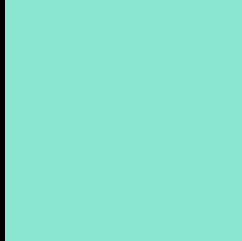
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 50.4529, 66.6860, 70.5341 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 50.4529, 66.6860, 70.5341**

## **Background**



This preview shows how black text looks on a background with the XYZ color 50.4529, 66.6860, 70.5341.



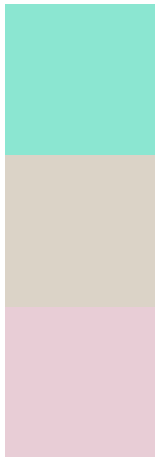
This preview shows how white text looks on a background with the XYZ color 50.4529, 66.6860,



# 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

50.4529, 66.6860, 70.5341

### Protanopia

62.8165, 65.7721, 63.4173

### Deuteranopia

67.2476, 65.6735, 72.7502



## Tritanopia

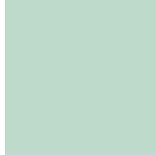
55.3156, 66.6174, 94.7370

# Trichromacy



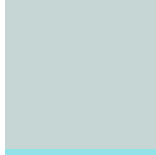
## Original Color

50.4529, 66.6860, 70.5341



## Protanomaly

57.0861, 65.4018, 66.1150



## Deuteranomaly

59.2189, 64.8524, 71.6839



## Tritanomaly

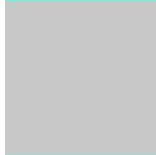
53.5699, 66.7274, 85.6576

# Monochromacy



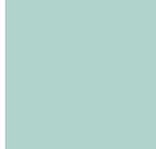
## Original Color

50.4529, 66.6860, 70.5341



## Achromatopsia

54.8990, 57.7580, 62.8985



## Achromatomaly

52.4339, 60.3653, 65.3880

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 50.4529, 66.6860, 70.5341 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(139, 230, 209)` looks like.

```
.text, #text, p{  
    color:rgb(139, 230, 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(139, 230, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(139, 230, 209) }
```

## Border

The CSS property to change the border of an element to XYZ 50.4529, 66.6860, 70.5341 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(139, 230, 209) }
```



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

```
.border{ border-color:rgb(139, 230, 209) }
```

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

Here you see how a box with a 4 pixel rgb(139, 230, 209) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(139, 230, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(139, 230, 209);  
box-shadow:4px 4px 4px 4px rgb(139, 230,  
209) }
```

# Background

The CSS property to change the background color of an element to XYZ 50.4529, 66.6860, 70.5341 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(139, 230, 209) }
```

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

```
.background{ background-color: rgb(139,  
230, 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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