

# Converting Colors

XYZ(51.1446, 67.6293, 65.9719)

Have a look what the booklet for  
XYZ(51.1446, 67.6293, 65.9719)  
contains.

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# Color

**XYZ(51.0906, 67.5271,  
66.2184)**

# Conversions

## Conversions Part 1

Format	Color
Hex	92E7CA
RGB	146, 231, 202
RGB Percent	57%, 91%, 79%
CMY	0.4274, 0.0941, 0.2078
CMYK	0.37, 0.00, 0.13, 0.09
HSL	160°, 64%, 74%
HSV	160°, 37%, 91%
XYZ	51.0906, 67.5271, 66.2184
YIQ	202.2790, -41.3510, -27.0390

# Conversions

## Conversions Part 2

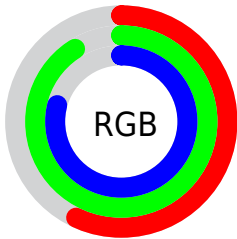
<b>Format</b>	<b>Color</b>
<b>RYB</b>	146, 197, 231
Decimal	9627594
CIELab	85.77, -32.12, 6.02
CIELCh	86, 32.679, 169.391
Yxy	67.5271, 0.2764, 0.3653
Android (android.graphics.Color)	4287817674 (0xFF92E7CA)
YUV	202.2790, -0.1375, -49.3567
Hunter-Lab	82.1749, -32.8272, 9.7452

# Details

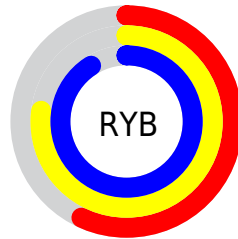
The XYZ color **51.0906, 67.5271, 66.2184** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **50.9740, 40.6434, 45.7183**, and the grayscale version is **56.3340, 59.2678, 64.5426**.

A 20% lighter version of the original color is **78.4386, 91.4365, 108.1226**, and **24.9897, 35.0222, 33.4598** is the 20% darker color. If you saturate the color by 10%, you get **46.4826, 65.2584, 61.2559**, and if you desaturate by 10%, it is **56.5797, 70.2480, 71.4739**.

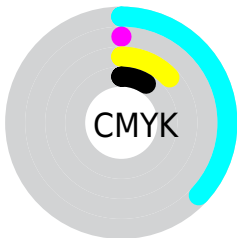
# Distribution



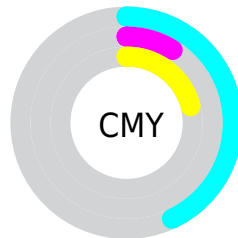
- Red (57%)
- Green (91%)
- Blue (79%)



- Red (57%)
- Yellow (77%)
- Blue (91%)



- Cyan (37%)
- Magenta (0%)
- Yellow (13%)
- Black (9%)




- Cyan (43%)
- Magenta (9%)
- Yellow (21%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 51.0906, 67.5271, 66.2184 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 51.0906, 67.5271, 66.2184 by changing the saturation by 10% instead.





 51.0906, 67.5271,  
66.2184


 51.0906, 67.5271,  
66.2184

381.2975,  
451.8187, 465.5831

 36.5021, 49.5131,  
47.9921


 90.9709, 115.6754,  
115.4297

 24.9941, 35.0267,  
33.4607


 116.9933,  
146.5784, 147.2519

 16.2014, 23.6834,  
22.2056


147.5578,  
182.5466, 184.4430

 9.7585, 15.0990,  
13.8083

183.0296,  
223.9644, 227.4217

 5.3002, 8.8889,  
7.8502

223.7741,  
271.2161, 276.6065

 2.4610, 4.6688,  
3.9129

270.1567,

 0.8756, 2.0543,

324.6861, 332.4160

1.5777

322.5427,  
384.7588, 395.2687

■ 0.0000, 0.6387,  
0.2748

■ 0.0000, 0.0000,  
0.0000

■ 51.0906, 67.5271,  
66.2184

■ 51.0906, 67.5271,  
66.2184

■ 46.4826, 65.2584,  
61.2559

■ 56.5797, 70.2480,  
71.4739

■ 42.6990, 63.4076,  
56.5756

■ 62.9911, 73.4370,  
77.0236

■ 39.6853, 61.9483,  
52.1729

■ 70.3698, 77.1190,  
82.8746

■ 37.3778, 60.8478,  
48.0408

■ 78.7565, 81.3149,  
89.0321

■ 35.7017, 60.0677,  
44.1718

■ 85.7558, 84.7898,  
95.3875

■ 34.5619, 59.5589,  
40.5576

■ 86.9617, 85.2721,  
101.7379

■ 34.2599, 59.4274,  
39.4507

■ 87.8671, 85.6343,  
106.5057

# Harmonies

## Analogous

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



53.8971, 67.5271, 49.8965



51.0906, 67.5271, 66.2184



51.5804, 67.5271, 88.0254

# Triad

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



51.0906, 67.5271, 66.2184



69.0636, 67.5271, 119.4826



73.9792, 67.5271, 46.5400

# Complementary

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



51.0906, 67.5271, 66.2184



50.9740, 40.6434, 45.7183

# 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.



78.6862, 67.5271, 60.7124



51.0906, 67.5271, 66.2184



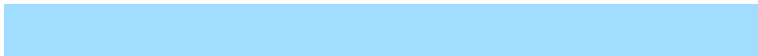
75.6996, 67.5271, 103.6376

# Square

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



51.0906, 67.5271, 66.2184



61.5776, 67.5271, 121.7470



79.3391, 67.5271, 81.3514



66.8598, 67.5271, 40.0875

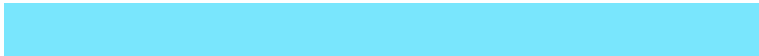


# Rectangle

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



51.0906, 67.5271, 66.2184



53.7227, 67.5271, 102.7983



79.3391, 67.5271, 81.3514



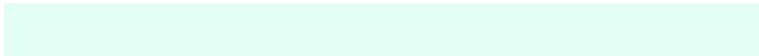
75.9188, 67.5271, 50.4153

# Sweetspot

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



51.0925, 67.5298, 66.2199



83.9699, 94.4616, 100.5375



51.6143, 68.4310, 37.6832



17.7035, 20.0842, 21.3055



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.



51.0925, 67.5298, 66.2199



59.5408, 82.3369, 78.2077



51.4162, 62.1557, 84.8919



14.5875, 16.2484, 17.3587



19.2661, 33.3386, 22.4335



1.4668, 2.4808, 1.8848



# Inverse Universe

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



50.9740, 40.6434, 45.7183



59.3814, 44.1845, 49.1591



50.5005, 43.7763, 32.9830



14.5789, 14.4488, 15.9830



19.3148, 9.8601, 5.2865

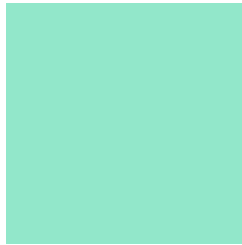


1.4696, 0.7455, 0.6134



# Previews

## White Background



This preview shows how the XYZ color 51.0906, 67.5271, 66.2184 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

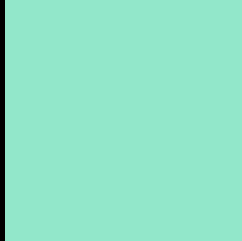
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 51.0906, 67.5271, 66.2184 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

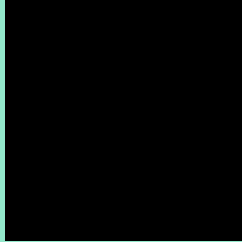
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

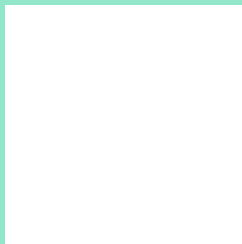
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 51.0906, 67.5271, 66.2184

## Background



This preview shows how black text looks on a background with the XYZ color 51.0906, 67.5271, 66.2184.



This preview shows how white text looks on a background with the XYZ color 51.0906, 67.5271,



# 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

51.0906, 67.5271, 66.2184

### Protanopia

63.4329, 66.9239, 59.4435

### Deuteranopia

67.9259, 66.4805, 68.2834



## Tritanopia

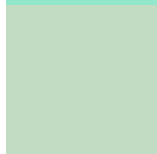
56.8132, 67.3894, 94.8071

# Trichromacy



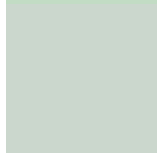
## Original Color

51.0906, 67.5271, 66.2184



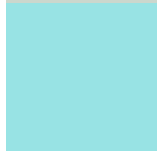
## Protanomaly

57.8051, 66.6413, 62.0409



## Deuteranomaly

59.9485, 65.7052, 67.2803



## Tritanomaly

54.4216, 67.2150, 83.5043

# Monochromacy



## Original Color

51.0906, 67.5271, 66.2184



## Achromatopsia

56.1383, 59.0619, 64.3184



## Achromatomaly

53.7463, 61.7979, 64.9726

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 51.0906, 67.5271, 66.2184 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(146, 231, 202)` looks like.

```
.text, #text, p{  
    color:rgb(146, 231, 202)  
}
```

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(146, 231, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(146, 231, 202) }
```

## Border

The CSS property to change the border of an element to XYZ 51.0906, 67.5271, 66.2184 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(146, 231, 202) }
```



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

```
.border{ border-color:rgb(146, 231, 202) }
```

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

Here you see how a box with a 4 pixel rgb(146, 231, 202) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(146, 231, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(146, 231, 202);  
box-shadow:4px 4px 4px 4px rgb(146, 231,  
202) }
```

# Background

The CSS property to change the background color of an element to XYZ 51.0906, 67.5271, 66.2184 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(146, 231, 202) }
```

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

```
.background{ background-color: rgb(146,  
231, 202) }
```

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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