

# Converting Colors

XYZ(51.4301, 67.9871, 60.4687)

Have a look what the booklet for  
XYZ(51.4301, 67.9871, 60.4687)  
contains.

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# Color

**XYZ(51.2272, 67.7299,  
60.2424)**

# Conversions

## Conversions Part 1

Format	Color
Hex	99E7C0
RGB	153, 231, 192
RGB Percent	60%, 91%, 75%
CMY	0.4000, 0.0941, 0.2471
CMYK	0.34, 0.00, 0.17, 0.09
HSL	150°, 62%, 75%
HSV	150°, 34%, 91%
XYZ	51.2272, 67.7299, 60.2424
YIQ	203.2320, -33.9690, -28.6650

# Conversions

## Conversions Part 2

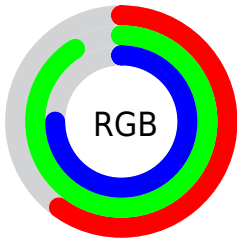
<b>Format</b>	<b>Color</b>
<b>RYB</b>	153, 205, 231
Decimal	10086336
CIELab	85.87, -32.20, 11.45
CIELCh	86, 34.173, 160.422
Yxy	67.7299, 0.2859, 0.3780
Android (android.graphics.Color)	4288276416 (0xFF99E7C0)
YUV	203.2320, -5.5374, -44.0535
Hunter-Lab	82.2982, -32.9130, 14.2083

# Details

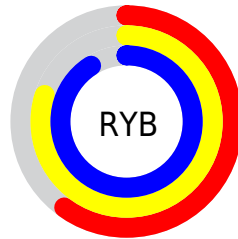
The XYZ color **51.2272, 67.7299, 60.2424** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **53.8629, 43.5788, 55.4445**, and the grayscale version is **56.9610, 59.9274, 65.2609**.

A 20% lighter version of the original color is **78.9978, 91.8526, 102.3726**, and **25.1358, 35.1767, 29.8911** is the 20% darker color. If you saturate the color by 10%, you get **46.0523, 65.2061, 53.5803**, and if you desaturate by 10%, it is **57.3503, 70.7346, 67.4762**.

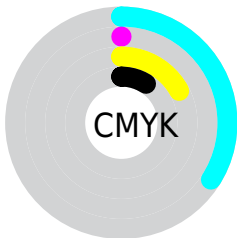
# Distribution



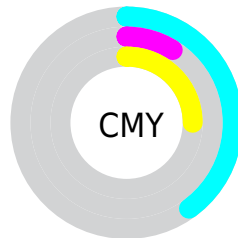
- Red (60%)
- Green (91%)
- Blue (75%)



- Red (60%)
- Yellow (80%)
- Blue (91%)



- Cyan (34%)
- Magenta (0%)
- Yellow (17%)
- Black (9%)




- Cyan (40%)
- Magenta (9%)
- Yellow (25%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 51.2272, 67.7299, 60.2424 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 51.2272, 67.7299, 60.2424 by changing the saturation by 10% instead.





 51.2272, 67.7299,  
60.2424


 51.2272, 67.7299,  
60.2424


381.8190,  
452.5384, 443.3201

 36.6112, 49.6780,  
43.1875


 91.1715, 115.9657,  
106.7280

 25.0789, 35.1576,  
29.6997


 117.2306,  
146.9183, 136.9958

 16.2649, 23.7843,  
19.3607


147.8347,  
182.9401, 172.5050

 9.8038, 15.1737,  
11.7517

183.3493,  
224.4153, 213.6740

 5.3304, 8.9414,  
6.4544

224.1396,  
271.7283, 260.9215

 2.4791, 4.7030,  
3.0501


270.5711,


 0.8847, 2.0741,


325.2636, 314.6660


1.1203


323.0091,  
385.4055, 375.3260


 0.0000, 0.6500,  
0.0000


 0.0000, 0.0000,  
0.0000


 51.2272, 67.7299,  
60.2424


 51.2272, 67.7299,  
60.2424


 46.0523, 65.2061,  
53.5803


 57.3503, 70.7346,  
67.4762


 41.7688, 63.1287,  
47.4708

 64.4632, 74.2358,  
75.2909

 38.3223, 61.4717,  
41.9006

 72.6117, 78.2588,  
83.7012

 35.6498, 60.2029,  
36.8538

 81.8371, 82.8246,  
92.7199

■ 33.6786, 59.2851,  
32.3135

■ 87.0341, 85.3011,  
102.1188

■ 32.3208, 58.6734,  
28.2616

■ 87.8672, 85.6343,  
106.5057

■ 31.7004, 58.4036,  
25.9726

# Harmonies

## Analogous

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



55.1132, 67.7299, 45.5910



51.2272, 67.7299, 60.2424



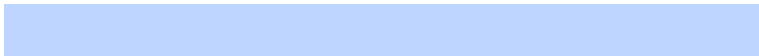
50.6958, 67.7299, 81.8102

# Triad

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



51.2272, 67.7299, 60.2424



67.1325, 67.7299, 124.6984



76.5087, 67.7299, 49.2087

# Complementary

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



51.2272, 67.7299, 60.2424



53.8629, 43.5788, 55.4445

# 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.



80.3175, 67.7299, 66.2306



51.2272, 67.7299, 60.2424



74.6209, 67.7299, 111.6093

# Square

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



51.2272, 67.7299, 60.2424



59.4690, 67.7299, 122.1912



79.6000, 67.7299, 89.1311



69.5441, 67.7299, 40.1704



# Rectangle

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



51.2272, 67.7299, 60.2424



52.2649, 67.7299, 97.7605



79.6000, 67.7299, 89.1311



78.2251, 67.7299, 54.0269

# Sweetspot

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



51.2291, 67.7327, 60.2439



84.2974, 94.6862, 98.0344



56.3968, 70.8317, 40.8373



17.7427, 20.1185, 20.6696



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.



51.2291, 67.7327, 60.2439



59.1672, 82.3454, 69.1029



55.9559, 69.6234, 85.1349



14.4884, 16.2088, 16.8365



17.8336, 32.7656, 14.8901



1.3647, 2.4400, 1.3472



# Inverse Universe

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



53.8629, 43.5788, 55.4445



62.9653, 47.5154, 62.1821



50.2059, 42.1160, 36.1870



14.6760, 14.4876, 16.4945



20.2889, 10.2498, 10.4161

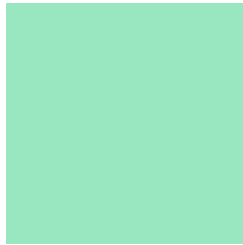


1.5462, 0.7762, 1.0166



# Previews

## White Background



This preview shows how the XYZ color 51.2272, 67.7299, 60.2424 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

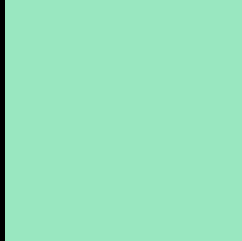
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 51.2272, 67.7299, 60.2424 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

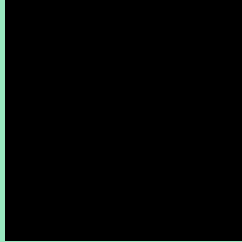
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 51.2272, 67.7299, 60.2424

## Background



This preview shows how black text looks on a background with the XYZ color 51.2272, 67.7299, 60.2424.



This preview shows how white text looks on a background with the XYZ color 51.2272, 67.7299,

60.2424.

# 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

51.2272, 67.7299, 60.2424

### Protanopia

63.3928, 67.0149, 54.3938

### Deuteranopia

68.4250, 66.8746, 62.1250



## Tritanopia

57.9925, 67.6146, 93.9988

# Trichromacy



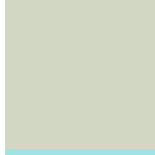
## Original Color

51.2272, 67.7299, 60.2424



## Protanomaly

58.0093, 66.8737, 56.3049



## Deuteranomaly

60.4453, 66.0963, 61.2018



## Tritanomaly

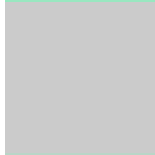
55.4208, 67.7936, 80.6855

# Monochromacy



## Original Color

51.2272, 67.7299, 60.2424



## Achromatopsia

56.7640, 59.7202, 65.0353



## Achromatomaly

54.1106, 62.0263, 63.1532

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 51.2272, 67.7299, 60.2424 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(153, 231, 192)` looks like.

```
.text, #text, p{  
    color:rgb(153, 231, 192)  
}
```

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(153, 231, 192) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 231, 192) }
```

## Border

The CSS property to change the border of an element to XYZ 51.2272, 67.7299, 60.2424 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(153, 231, 192) }
```



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

```
.border{ border-color:rgb(153, 231, 192) }
```

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

Here you see how a box with a 4 pixel rgb(153, 231, 192) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 231, 192); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 231, 192);  
box-shadow:4px 4px 4px 4px rgb(153, 231,  
192) }
```

# Background

The CSS property to change the background color of an element to XYZ 51.2272, 67.7299, 60.2424 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 231, 192) }
```

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

```
.background{ background-color: rgb(153,  
231, 192) }
```

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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