

Converting Colors

XYZ(50.9685, 68.3710, 62.5476)

Have a look what the booklet for
XYZ(50.9685, 68.3710, 62.5476)
contains.

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Color

**XYZ(50.9568, 68.3743,
62.7364)**

Conversions

Conversions Part 1

Format	Color
Hex	92E9C4
RGB	146, 233, 196
RGB Percent	57%, 91%, 77%
CMY	0.4274, 0.0863, 0.2314
CMYK	0.37, 0.00, 0.16, 0.09
HSL	154°, 66%, 74%
HSV	154°, 37%, 91%
XYZ	50.9568, 68.3743, 62.7364
YIQ	202.7690, -39.9750, -29.9510

Conversions

Conversions Part 2

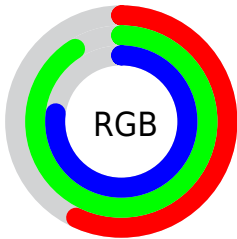
Format	Color
RYB	146, 201, 233
Decimal	9628100
CIELab	86.19, -34.30, 9.77
CIELCh	86, 35.667, 164.100
Yxy	68.3743, 0.2799, 0.3755
Android (android.graphics.Color)	4287818180 (0xFF92E9C4)
YUV	202.7690, -3.3371, -49.7864
Hunter-Lab	82.6888, -34.7050, 12.8985

Details

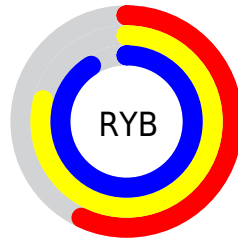
The XYZ color **50.9568, 68.3743, 62.7364** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **52.4327, 41.3021, 50.0111**, and the grayscale version is **56.6596, 59.6103, 64.9156**.

A 20% lighter version of the original color is **78.1182, 91.3084, 106.4355**, and **24.9190, 35.6214, 31.1534** is the 20% darker color. If you saturate the color by 10%, you get **46.1387, 66.0184, 56.8167**, and if you desaturate by 10%, it is **56.6973, 71.2008, 69.0912**.

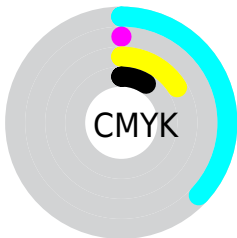
Distribution



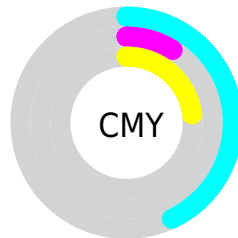
- Red (57%)
- Green (91%)
- Blue (77%)



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



- Cyan (37%)
- Magenta (0%)
- Yellow (16%)
- Black (9%)




- Cyan (43%)
- Magenta (9%)
- Yellow (23%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 50.9568, 68.3743, 62.7364 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 50.9568, 68.3743, 62.7364 by changing the saturation by 10% instead.


 50.9568, 68.3743,
62.7364


 50.9568, 68.3743,
62.7364


380.7863,
454.8210, 452.6938

 36.3951, 50.2023,
45.1884


 90.7743, 116.8874,
110.3710

 24.9110, 35.5742,
31.2618


 116.7608,
147.9974, 141.2947

 16.1392, 24.1055,
20.5381


147.2863,
184.1888, 177.5140

 9.7142, 15.4119,
12.5989

182.7162,
225.8460, 219.4475

 5.2707, 9.1090,
7.0255

223.4158,
273.3534, 267.5136

 2.4433, 4.8123,
3.3993


269.7504,

 0.8668, 2.1376,

327.0955, 322.1310

1.3020


322.0855,
387.4566, 383.7182


 0.0000, 0.6856,
0.0634


 0.0000, 0.0000,
0.0000


 50.9568, 68.3743,
62.7364

 50.9568, 68.3743,
62.7364


 46.1387, 66.0184,
56.8167


 56.6973, 71.2008,
69.0912


 42.1842, 64.0974,
51.3176


 63.4031, 74.5143,
75.8859


 39.0366, 62.5841,
46.2300


 71.1213, 78.3408,
83.1312


 36.6294, 61.4443,
41.5430


 79.8940, 82.7019,
90.8361

 34.8847, 60.6382,
37.2448

 86.9458, 86.1665,
98.8772

 33.7003, 60.1133,
33.3222

 88.4301, 86.7602,
106.6934

 33.4366, 59.9988,
32.3385

Harmonies

Analogous

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



54.6091, 68.3743, 46.4718



50.9568, 68.3743, 62.7364



50.8478, 68.3743, 86.0146

Triad

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



50.9568, 68.3743, 62.7364



68.9100, 68.3743, 127.4694



76.9963, 68.3743, 47.2088

Complementary

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



50.9568, 68.3743, 62.7364



52.4327, 41.3021, 50.0111

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.



81.5324, 68.3743, 63.9678



50.9568, 68.3743, 62.7364



76.6045, 68.3743, 111.8636

Square

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



50.9568, 68.3743, 62.7364



60.7582, 68.3743, 126.9443



81.3833, 68.3743, 87.5333



69.4091, 68.3743, 38.8822

Rectangle

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



50.9568, 68.3743, 62.7364



52.7725, 68.3743, 102.7810



81.3833, 68.3743, 87.5333



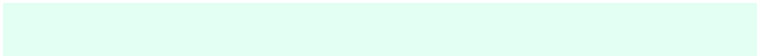
78.9559, 68.3743, 51.8684

Sweetspot

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



50.9587, 68.3771, 62.7380



83.6110, 94.3181, 98.6480



54.0248, 70.5094, 37.9575



17.6178, 20.0499, 20.8545



0.0000, 0.0000, 0.0000



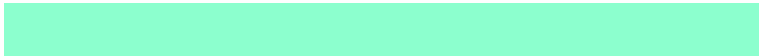
20.3446, 21.4041, 23.3091

Same Dimension

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



50.9587, 68.3771, 62.7380



57.7818, 81.5830, 71.2191



54.0881, 67.0446, 87.1841



15.2312, 17.0073, 17.9002



19.0352, 34.0685, 18.6821



1.5427, 2.6944, 1.7196

Inverse Universe

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



52.4327, 41.3021, 50.0111



59.8458, 43.7658, 53.4683



49.9904, 41.7923, 32.6272



15.3313, 15.1604, 17.0301



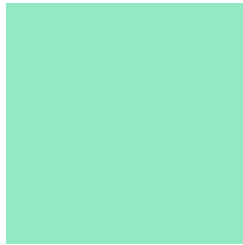
20.4074, 10.3657, 7.9467



1.6497, 0.8328, 0.8727

Previews

White Background



This preview shows how the XYZ color 50.9568, 68.3743, 62.7364 looks on a white background.

Color Contrast Check

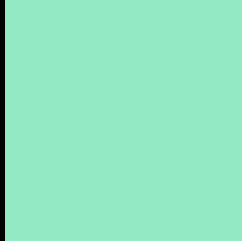
Large Text (above 18pt) WCAG AA × Fail

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 50.9568, 68.3743, 62.7364 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

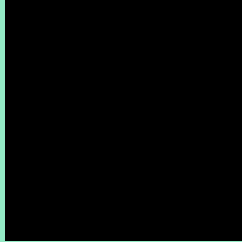
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 50.9568, 68.3743, 62.7364

Background



This preview shows how black text looks on a background with the XYZ color 50.9568, 68.3743, 62.7364.



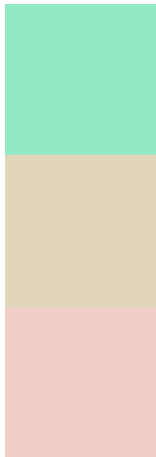
This preview shows how white text looks on a background with the XYZ color 50.9568, 68.3743,

62.7364.

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

50.9568, 68.3743, 62.7364

Protanopia

63.9608, 67.6459, 56.1402

Deuteranopia

68.7906, 67.3680, 64.6360



Tritanopia

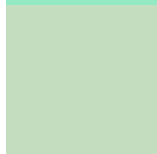
57.4301, 68.0925, 95.7042

Trichromacy



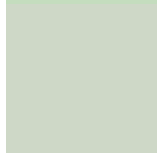
Original Color

50.9568, 68.3743, 62.7364



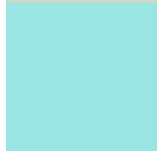
Protanomaly

57.9157, 67.1664, 58.6271



Deuteranomaly

60.3183, 66.3571, 63.6619



Tritanomaly

55.0213, 68.3570, 82.9673

Monochromacy



Original Color

50.9568, 68.3743, 62.7364



Achromatopsia

56.7640, 59.7202, 65.0353



Achromatomaly

53.7633, 62.2083, 63.8174

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.9568, 68.3743, 62.7364 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, 233, 196)` looks like.

```
.text, #text, p{  
    color:rgb(146, 233, 196)  
}
```

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, 233, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(146, 233, 196) }
```

Border

The CSS property to change the border of an element to XYZ 50.9568, 68.3743, 62.7364 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, 233, 196) }
```


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

```
.border{ border-color:rgb(146, 233, 196) }
```

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

Here you see how a box with a 4 pixel `rgb(146, 233, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(146, 233, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(146, 233, 196);  
box-shadow:4px 4px 4px 4px rgb(146, 233,  
196) }
```

Background

The CSS property to change the background color of an element to XYZ 50.9568, 68.3743, 62.7364 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(146, 233, 196) }
```

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

```
.background{ background-color: rgb(146,  
233, 196) }
```

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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