

# Converting Colors

XYZ(52.7294, 73.3198, 59.4924)

Have a look what the booklet for  
XYZ(52.7294, 73.3198, 59.4924)  
contains.

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# Color

**XYZ(52.6145, 73.1981,  
59.4997)**

# Conversions

## Conversions Part 1

Format	Color
Hex	91F2BD
RGB	145, 242, 189
RGB Percent	57%, 95%, 74%
CMY	0.4314, 0.0510, 0.2588
CMYK	0.40, 0.00, 0.22, 0.05
HSL	147°, 79%, 76%
HSV	147°, 40%, 95%
XYZ	52.6145, 73.1981, 59.4997
YIQ	206.9550, -40.7990, -37.0470

# Conversions

## Conversions Part 2

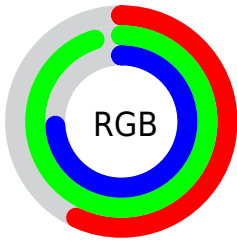
<b>Format</b>	<b>Color</b>
<b>RYB</b>	145, 212, 242
Decimal	9564861
CIELab	88.54, -40.07, 16.73
CIElCh	89, 43.423, 157.334
Yxy	73.1981, 0.2839, 0.3950
Android (android.graphics.Color)	4287754941 (0xFF91F2BD)
YUV	206.9550, -8.8518, -54.3345
Hunter-Lab	85.5559, -39.9503, 18.6560

# Details

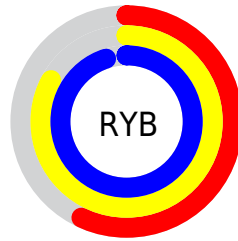
The XYZ color **52.6145, 73.1981, 59.4997** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **56.9388, 43.2070, 58.7677**, and the grayscale version is **59.3548, 62.4459, 68.0036**.

A 20% lighter version of the original color is **76.5986, 90.6691, 99.8499**, and **25.9127, 38.5993, 29.3772** is the 20% darker color. If you saturate the color by 10%, you get **47.4255, 70.6834, 52.1034**, and if you desaturate by 10%, it is **58.8466, 76.2393, 67.6312**.

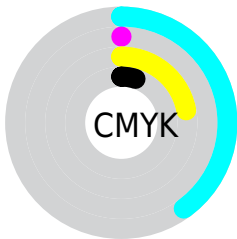
# Distribution



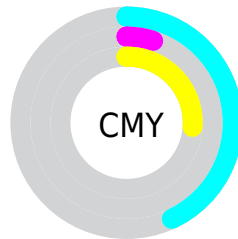
- Red (57%)
- Green (95%)
- Blue (74%)



- Red (57%)
- Yellow (83%)
- Blue (95%)



- Cyan (40%)
- Magenta (0%)
- Yellow (22%)
- Black (5%)




- Cyan (43%)
- Magenta (5%)
- Yellow (26%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 52.6145, 73.1981, 59.4997 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 52.6145, 73.1981, 59.4997 by changing the saturation by 10% instead.




 52.6145, 73.1981,  
59.4997

 52.6145, 73.1981,  
59.4997


387.0895,  
471.7011, 440.5046

 37.7214, 54.1380,  
42.5929


 93.2057, 123.7584,  
105.6398

 25.9427, 38.7120,  
29.2368


 119.6346,  
156.0273, 135.7102

 16.9133, 26.5357,  
19.0129


150.6393,  
193.4680, 171.0055

 10.2676, 17.2249,  
11.5027

186.5853,  
236.4648, 211.9442

 5.6404, 10.3949,  
6.2876

227.8380,  
285.4021, 258.9449

 2.6662, 5.6616,  
2.9491


274.7627,


 0.9798, 2.6404,


340.6644, 312.4262


1.0687


327.7247,  
402.6359, 372.8066


 0.0000, 0.9470,  
0.0000


 0.0000, 0.0000,  
0.0000


 52.6145, 73.1981,  
59.4997


 52.6145, 73.1981,  
59.4997


 47.4255, 70.6834,  
52.1034


 58.8466, 76.2393,  
67.6312


 43.2120, 68.6549,  
45.4162

 66.1722, 79.8269,  
76.5131

 39.9073, 67.0807,  
39.4176

 74.6456, 83.9902,  
86.1662

 37.4336, 65.9209,  
34.0843

 84.3155, 88.7540,  
96.6091

■ 35.6982, 65.1283,  
29.3910

■ 91.0435, 91.9869,  
107.5645

■ 34.5555, 64.6278,  
25.3401

# Harmonies

## Analogous

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



58.0739, 73.1981, 42.1130



52.6145, 73.1981, 59.4997



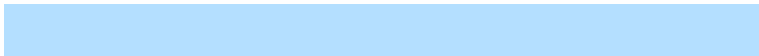
51.4700, 73.1981, 87.2816

# Triad

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



52.6145, 73.1981, 59.4997



72.1717, 73.1981, 151.5691



86.8213, 73.1981, 49.6224

# Complementary

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



52.6145, 73.1981, 59.4997



56.9388, 43.2070, 58.7677

# 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.



91.4883, 73.1981, 72.5712



52.6145, 73.1981, 59.4997



82.4970, 73.1981, 134.8338

# Square

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



52.6145, 73.1981, 59.4997



62.1061, 73.1981, 145.5451



89.8314, 73.1981, 104.0224



77.6147, 73.1981, 37.4878



# Rectangle

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



52.6145, 73.1981, 59.4997



53.1912, 73.1981, 109.1833



89.8314, 73.1981, 104.0224



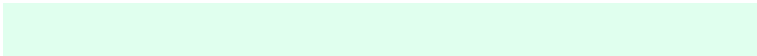
89.0130, 73.1981, 56.0689

# Sweetspot

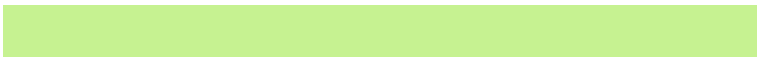
The Sweet Spot groups the original color and five complimentary colors.



52.6165, 73.2011, 59.5014



82.0984, 93.6208, 94.8484



60.2465, 77.6052, 38.5930



17.2960, 19.9028, 19.9907



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.



52.6165, 73.2011, 59.5014



54.4599, 80.1101, 60.2373



58.7396, 75.6503, 91.7451



15.8640, 17.7756, 18.3068



18.6297, 34.7439, 13.9648



1.5994, 2.9102, 1.4226



# Inverse Universe

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



56.9388, 43.2070, 58.7677



59.9375, 42.0716, 59.2870



52.2384, 41.3268, 34.0155



16.1341, 15.9034, 18.2626



21.9872, 11.0673, 13.1153

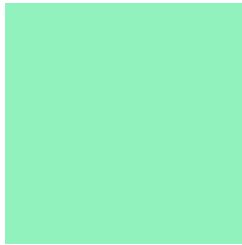


1.8793, 0.9407, 1.3550



# Previews

## White Background



This preview shows how the XYZ color 52.6145, 73.1981, 59.4997 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

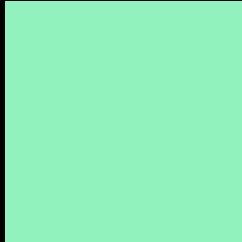
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 52.6145, 73.1981, 59.4997 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

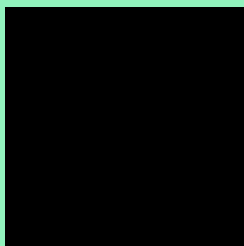
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

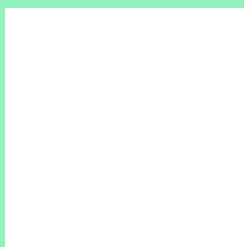
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 52.6145, 73.1981, 59.4997**

## **Background**



This preview shows how black text looks on a background with the XYZ color 52.6145, 73.1981, 59.4997.



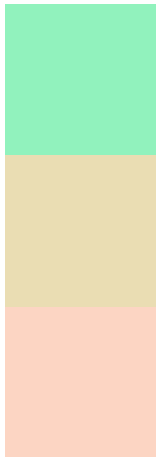
This preview shows how white text looks on a background with the XYZ color 52.6145, 73.1981,

59.4997.

# 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

52.6145, 73.1981, 59.4997

### Protanopia

67.9248, 72.4600, 53.0540

### Deuteranopia

73.7895, 72.2241, 61.6813



## Tritanopia

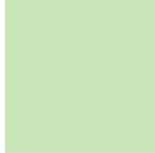
61.2068, 72.7797, 102.9174

# Trichromacy



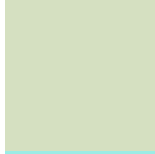
## Original Color

52.6145, 73.1981, 59.4997



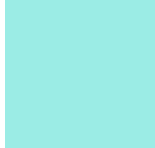
## Protanomaly

60.9237, 72.0141, 55.4888



## Deuteranomaly

63.7219, 71.3077, 60.8573



## Tritanomaly

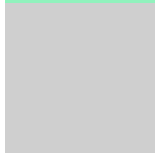
57.6559, 72.6166, 85.1064

# Monochromacy



## Original Color

52.6145, 73.1981, 59.4997



## Achromatopsia

59.3074, 62.3960, 67.9493



## Achromatomaly

55.7857, 65.5469, 64.3552

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 52.6145, 73.1981, 59.4997 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(145, 242, 189)` looks like.

```
.text, #text, p{  
    color:rgb(145, 242, 189)  
}
```

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(145, 242, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 242, 189) }
```

## Border

The CSS property to change the border of an element to XYZ 52.6145, 73.1981, 59.4997 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(145, 242, 189) }
```



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

```
.border{ border-color:rgb(145, 242, 189) }
```

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

Here you see how a box with a 4 pixel `rgb(145, 242, 189)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(145, 242, 189); -webkit-box-  
shadow:4px 4px 4px 4px rgb(145, 242, 189);  
box-shadow:4px 4px 4px 4px rgb(145, 242,  
189) }
```

# Background

The CSS property to change the background color of an element to XYZ 52.6145, 73.1981, 59.4997 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(145, 242, 189) }
```

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

```
.background{ background-color: rgb(145,  
242, 189) }
```

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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