

Converting Colors

XYZ(50.2000, 73.1496, 45.6559)

Have a look what the booklet for
XYZ(50.2000, 73.1496, 45.6559)
contains.

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Color

**XYZ(50.2000, 73.1496,
45.6559)**

Conversions

Conversions Part 1

Format	Color
Hex	8FF4A2
RGB	143, 244, 162
RGB Percent	56%, 96%, 64%
CMY	0.4392, 0.0431, 0.3647
CMYK	0.41, 0.00, 0.34, 0.04
HSL	131°, 82%, 76%
HSV	131°, 41%, 96%
XYZ	50.2000, 73.1496, 45.6559
YIQ	204.4530, -33.8740, -46.9140

Conversions

Conversions Part 2

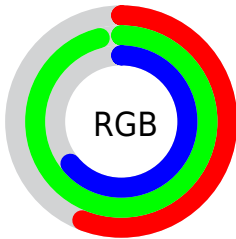
Format	Color
RYB	143, 228, 244
Decimal	9434274
CIELab	88.52, -46.35, 30.51
CIELCh	89, 55.489, 146.644
Yxy	73.1496, 0.2970, 0.4328
Android (android.graphics.Color)	4287624354 (0xFF8FF4A2)
YUV	204.4530, -20.9293, -53.8943
Hunter-Lab	85.5275, -44.9034, 28.2194

Details

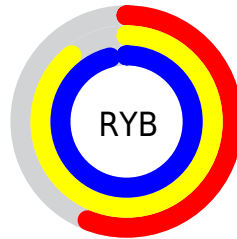
The XYZ color **50.2000, 73.1496, 45.6559** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **60.7237, 44.3159, 76.5903**, and the grayscale version is **57.8266, 60.8381, 66.2527**.

A 20% lighter version of the original color is **72.1038, 88.8091, 78.9872**, and **24.4225, 38.6449, 20.9239** is the 20% darker color. If you saturate the color by 10%, you get **44.8022, 70.5567, 36.9244**, and if you desaturate by 10%, it is **56.7977, 76.3332, 55.8948**.

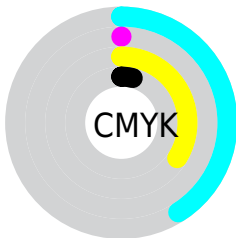
Distribution



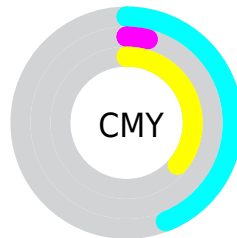
- Red (56%)
- Green (96%)
- Blue (64%)



- Red (56%)
- Yellow (89%)
- Blue (96%)



- Cyan (41%)
- Magenta (0%)
- Yellow (34%)
- Black (4%)



- Cyan (44%)
- Magenta (4%)
- Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 50.2000, 73.1496, 45.6559 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 50.2000, 73.1496, 45.6559 by changing the saturation by 10% instead.


 50.2000, 73.1496,
45.6559


 50.2000, 73.1496,
45.6559


377.8866,
471.5331, 385.6608

 35.7908, 54.0983,
31.6277


 89.6612, 123.6896,
85.0326

 24.4420, 38.6803,
20.8148


 115.4439,
155.9470, 111.2182

 15.7883, 26.5111,
12.7988

145.7484,
193.3753, 142.2933

 9.4644, 17.2064,
7.1610

180.9402,
236.3588, 178.6765

 5.1048, 10.3817,
3.4830

221.3845,
285.2820, 220.7863

 2.3443, 5.6528,
1.3463


267.4468,

 0.8172, 2.6351,


340.5291, 269.0413

0.0993


319.4924,
402.4847, 323.8599


 0.0000, 0.9444,
0.0000


 0.0000, 0.0000,
0.0000

 50.2000, 73.1496,
45.6559


 50.2000, 73.1496,
45.6559


 44.8022, 70.5567,
36.9244


 56.7977, 76.3332,
55.8948


 40.5254, 68.5091,
29.6244

 64.6565, 80.1313,
67.7025

 37.2902, 66.9695,
23.6806

 73.8400, 84.5776,
81.1430

 35.0041, 65.8920,
19.0089

 84.4061, 89.7007,
96.2752

■ 33.5572, 65.2219,
15.5159

■ 91.6421, 93.1841,
107.7640

■ 32.8433, 64.9006,
13.3707

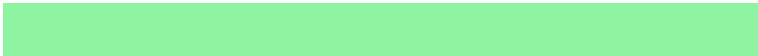
Harmonies

Analogous

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



58.6303, 73.1496, 30.3242



50.2000, 73.1496, 45.6559



46.9044, 73.1496, 75.4180

Triad

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



50.2000, 73.1496, 45.6559



68.0336, 73.1496, 177.9873



95.1093, 73.1496, 50.9991

Complementary

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



50.2000, 73.1496, 45.6559



60.7237, 44.3159, 76.5903

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.



98.4554, 73.1496, 84.0322



50.2000, 73.1496, 45.6559



81.6954, 73.1496, 165.1689

Square

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



50.2000, 73.1496, 45.6559



56.3361, 73.1496, 158.2640



93.2682, 73.1496, 127.3372



84.6301, 73.1496, 32.6432

Rectangle

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



50.2000, 73.1496, 45.6559



47.7030, 73.1496, 102.6349



93.2682, 73.1496, 127.3372



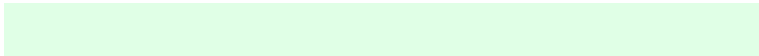
97.1593, 73.1496, 60.3774

Sweetspot

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



50.2019, 73.1526, 45.6575



80.9295, 93.1533, 88.6931



68.5136, 82.7733, 38.3532



17.0221, 19.7932, 18.5484



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.



50.2019, 73.1526, 45.6575



50.2125, 78.3207, 41.9561



55.5663, 75.2984, 73.9062



16.4095, 18.5230, 18.1750



17.8942, 35.3025, 7.4625



1.6066, 3.1163, 0.8344

Inverse Universe

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



60.7237, 44.3159, 76.5903



63.3200, 42.3386, 80.4470



54.8690, 41.9740, 45.7601



17.0721, 16.7117, 20.1262



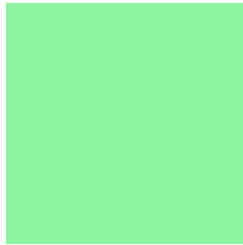
25.8828, 12.6965, 30.4207



2.3086, 1.1294, 2.8513

Previews

White Background



This preview shows how the XYZ color 50.2000, 73.1496, 45.6559 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 50.2000, 73.1496, 45.6559 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 50.2000, 73.1496, 45.6559

Background



This preview shows how black text looks on a background with the XYZ color 50.2000, 73.1496, 45.6559.



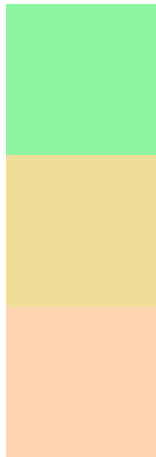
This preview shows how white text looks on a background with the XYZ color 50.2000, 73.1496,

45.6559.

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

50.2000, 73.1496, 45.6559

Protanopia

67.1206, 72.3306, 40.1293

Deuteranopia

72.9701, 72.0228, 51.6508



Tritanopia

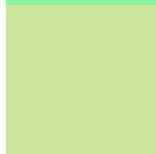
61.6099, 72.9875, 102.9363

Trichromacy



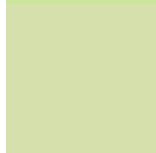
Original Color

50.2000, 73.1496, 45.6559



Protanomaly

58.9219, 71.2763, 42.1047



Deuteranomaly

61.8336, 70.5860, 49.3952



Tritanomaly

56.5879, 72.6514, 78.0585

Monochromacy



Original Color

50.2000, 73.1496, 45.6559



Achromatopsia

57.3938, 60.3827, 65.7568



Achromatomaly

53.8082, 64.2822, 57.7158

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.2000, 73.1496, 45.6559 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(143, 244, 162)` looks like.

```
.text, #text, p{  
    color:rgb(143, 244, 162)  
}
```

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(143, 244, 162) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(143, 244, 162) }
```

Border

The CSS property to change the border of an element to XYZ 50.2000, 73.1496, 45.6559 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(143, 244, 162) }
```


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

```
.border{ border-color:rgb(143, 244, 162) }
```

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

Here you see how a box with a 4 pixel `rgb(143, 244, 162)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(143, 244, 162); -webkit-box-  
shadow:4px 4px 4px 4px rgb(143, 244, 162);  
box-shadow:4px 4px 4px 4px rgb(143, 244,  
162) }
```

Background

The CSS property to change the background color of an element to XYZ 50.2000, 73.1496, 45.6559 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(143, 244, 162) }
```

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

```
.background{ background-color: rgb(143,  
244, 162) }
```

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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