

Converting Colors

XYZ(49.9566, 73.5194, 39.6072)

Have a look what the booklet for
XYZ(49.9566, 73.5194, 39.6072)
contains.

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Color

**XYZ(50.0303, 73.6460,
39.5952)**

Conversions

Conversions Part 1

Format	Color
Hex	93F594
RGB	147, 245, 148
RGB Percent	58%, 96%, 58%
CMY	0.4235, 0.0392, 0.4196
CMYK	0.40, 0.00, 0.40, 0.04
HSL	121°, 83%, 77%
HSV	121°, 40%, 96%
XYZ	50.0303, 73.6460, 39.5952
YIQ	204.6400, -27.2710, -50.9430

Conversions

Conversions Part 2

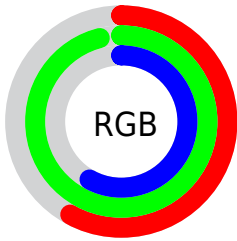
Format	Color
RYB	147, 244, 245
Decimal	9696660
CIELab	88.75, -47.82, 37.86
CIELCh	89, 60.992, 141.633
Yxy	73.6460, 0.3064, 0.4511
Android (android.graphics.Color)	4287886740 (0xFF93F594)
YUV	204.6400, -27.9235, -50.5503
Hunter-Lab	85.8172, -46.1171, 32.7163

Details

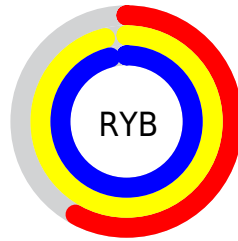
The XYZ color **50.0303, 73.6460, 39.5952** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **64.4213, 46.8129, 91.2307**, and the grayscale version is **57.9853, 61.0050, 66.4345**.

A 20% lighter version of the original color is **71.7163, 88.8109, 69.8623**, and **24.3110, 38.9846, 17.3098** is the 20% darker color. If you saturate the color by 10%, you get **44.3734, 70.9310, 30.3392**, and if you desaturate by 10%, it is **57.0286, 77.0104, 51.0159**.

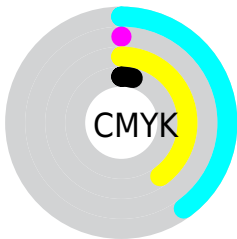
Distribution



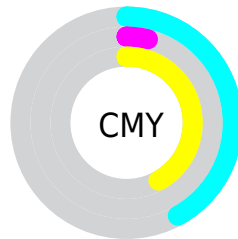
- Red (58%)
- Green (96%)
- Blue (58%)



- Red (58%)
- Yellow (96%)
- Blue (96%)



- Cyan (40%)
- Magenta (0%)
- Yellow (40%)
- Black (4%)





- Cyan (42%)
- Magenta (4%)
- Yellow (42%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 50.0303, 73.6460, 39.5952 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 50.0303, 73.6460, 39.5952 by changing the saturation by 10% instead.


 50.0303, 73.6460,
39.5952


 50.0303, 73.6460,
39.5952


377.2345,
473.2507, 359.9157

 35.6554, 54.5044,
26.9117


 89.4113, 124.3939,
75.7770

 24.3370, 39.0050,
17.2751


 115.1481,
156.7689, 100.1124

 15.7099, 26.7636,
10.2668


145.4029,
194.3238, 129.1689

 9.4086, 17.3958,
5.4683

180.5411,
237.4430, 163.3649

 5.0679, 10.5171,
2.4610

220.9280,
286.5109, 203.1191

 2.3223, 5.7431,
0.8194

266.9289,

 0.8061, 2.6895,

341.9119, 248.8499

0.0000

318.9093,
404.0303, 300.9759

0.0000, 0.9719,
0.0000

0.0000, 0.0000,
0.0000

50.0303, 73.6460,
39.5952

50.0303, 73.6460,
39.5952

44.3734, 70.9310,
30.3392

57.0286, 77.0104,
51.0159

39.9671, 68.8149,
23.1069

65.4404, 81.0522,
64.7206

36.7182, 67.2553,
17.7484

75.3396, 85.8092,
80.8260

34.5181, 66.1998,
14.0908

86.7929, 91.3135,
99.4392

■ 33.2375, 65.5861,
11.9296

■ 91.9439, 93.7878,
107.8646

■ 32.6676, 65.3133,
10.9569

Harmonies

Analogous

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



60.0530, 73.6460, 25.8973



50.0303, 73.6460, 39.5952



45.5179, 73.6460, 68.9387

Triad

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



50.0303, 73.6460, 39.5952



65.9515, 73.6460, 190.4039



99.8154, 73.6460, 53.8124

Complementary

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



50.0303, 73.6460, 39.5952



64.4213, 46.8129, 91.2307

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.



101.9797, 73.6460, 92.5989



50.0303, 73.6460, 39.5952



80.9852, 73.6460, 181.8884

Square

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



50.0303, 73.6460, 39.5952



53.8269, 73.6460, 162.2355



94.6772, 73.6460, 141.9187



89.1221, 73.6460, 31.8695

Rectangle

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



50.0303, 73.6460, 39.5952



45.7290, 73.6460, 97.7102



94.6772, 73.6460, 141.9187



101.6193, 73.6460, 64.8968

Sweetspot

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



50.0322, 73.6491, 39.5968



80.1761, 92.8519, 84.7254



75.5783, 86.8277, 40.3801



16.8464, 19.7230, 17.6231



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.



50.0322, 73.6491, 39.5968



49.6625, 78.1911, 34.9749



54.6508, 75.4965, 63.9181



16.2891, 18.4748, 17.5408



17.6010, 35.1852, 5.9184



1.5493, 3.0934, 0.5326

Inverse Universe

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



64.4213, 46.8129, 91.2307



67.4220, 45.0654, 98.6999



58.0559, 44.2667, 57.7107



17.2059, 16.7652, 20.8309



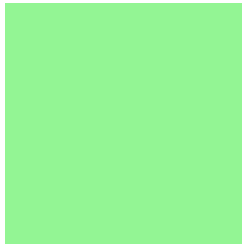
28.9638, 13.9290, 46.6452



2.5480, 1.2251, 4.1119

Previews

White Background



This preview shows how the XYZ color 50.0303, 73.6460, 39.5952 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 50.0303, 73.6460, 39.5952 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

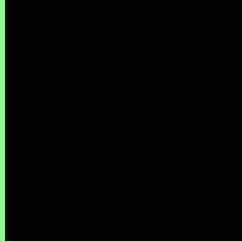
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 50.0303, 73.6460, 39.5952

Background



This preview shows how black text looks on a background with the XYZ color 50.0303, 73.6460, 39.5952.

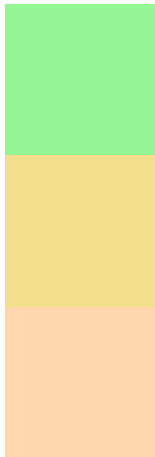


This preview shows how white text looks on a background with the XYZ color 50.0303, 73.6460,

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

50.0303, 73.6460, 39.5952

Protanopia

67.3994, 72.9839, 34.9611

Deuteranopia

72.8294, 72.3703, 49.6655



Tritanopia

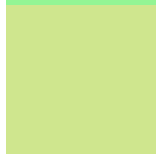
62.4879, 73.4584, 102.1522

Trichromacy



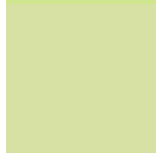
Original Color

50.0303, 73.6460, 39.5952



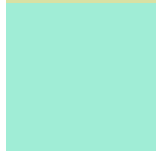
Protanomaly

58.9114, 71.8120, 36.3473



Deuteranomaly

61.9450, 71.1297, 45.5865



Tritanomaly

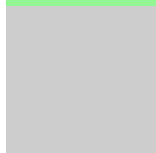
56.9190, 72.8970, 74.6889

Monochromacy



Original Color

50.0303, 73.6460, 39.5952



Achromatopsia

58.0276, 61.0496, 66.4830



Achromatomaly

54.0121, 64.8374, 55.0155

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.0303, 73.6460, 39.5952 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(147, 245, 148)` looks like.

```
.text, #text, p{  
    color:rgb(147, 245, 148)  
}
```

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(147, 245, 148) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 245, 148) }
```

Border

The CSS property to change the border of an element to XYZ 50.0303, 73.6460, 39.5952 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(147, 245, 148) }
```


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

```
.border{ border-color:rgb(147, 245, 148) }
```

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

Here you see how a box with a 4 pixel rgb(147, 245, 148) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(147, 245, 148); -webkit-box-  
shadow:4px 4px 4px 4px rgb(147, 245, 148);  
box-shadow:4px 4px 4px 4px rgb(147, 245,  
148) }
```

Background

The CSS property to change the background color of an element to XYZ 50.0303, 73.6460, 39.5952 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 245, 148) }
```

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

```
.background{ background-color: rgb(147,  
245, 148) }
```

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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