

Converting Colors

XYZ(50.2865, 71.7237, 39.5423)

Have a look what the booklet for
XYZ(50.2865, 71.7237, 39.5423)
contains.

XYZ(50.1025, 71.4587, 39.5860)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(50.1025, 71.4587,
39.5860)**

Conversions

Conversions Part 1

Format	Color
Hex	9BF095
RGB	155, 240, 149
RGB Percent	61%, 94%, 58%
CMY	0.3922, 0.0588, 0.4157
CMYK	0.35, 0.00, 0.38, 0.06
HSL	116°, 75%, 76%
HSV	116°, 38%, 94%
XYZ	50.1025, 71.4587, 39.5860
YIQ	204.2110, -21.4490, -46.3210

Conversions

Conversions Part 2

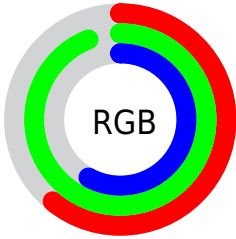
Format	Color
RYB	149, 240, 234
Decimal	10219669
CIELab	87.71, -43.11, 36.06
CIELCh	88, 56.206, 140.088
Yxy	71.4587, 0.3109, 0.4434
Android (android.graphics.Color)	4288409749 (0xFF9BF095)
YUV	204.2110, -27.2190, -43.1580
Hunter-Lab	84.5332, -42.1370, 31.4084

Details

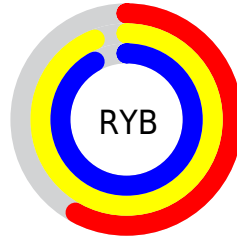
The XYZ color **50.1025, 71.4587, 39.5860** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **60.4106, 45.2808, 87.9980**, and the grayscale version is **57.7060, 60.7113, 66.1146**.

A 20% lighter version of the original color is **73.8105, 89.8767, 70.5845**, and **24.3467, 37.4394, 17.2526** is the 20% darker color. If you saturate the color by 10%, you get **44.4704, 68.7564, 30.3302**, and if you desaturate by 10%, it is **56.9318, 74.7368, 50.9618**.

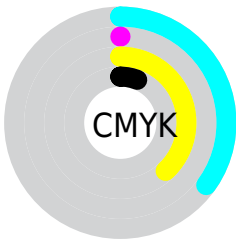
Distribution



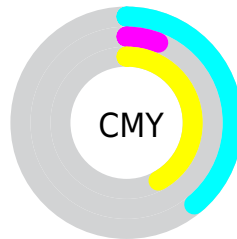
- Red (61%)
- Green (94%)
- Blue (58%)



- Red (58%)
- Yellow (94%)
- Blue (92%)



- Cyan (35%)
- Magenta (0%)
- Yellow (38%)
- Black (6%)





- Cyan (39%)
- Magenta (6%)
- Yellow (42%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 50.1025, 71.4587, 39.5860 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 50.1025, 71.4587, 39.5860 by changing the saturation by 10% instead.


 50.1025, 71.4587,
39.5860


 50.1025, 71.4587,
39.5860


377.5120,
465.6553, 359.8756

 35.7130, 52.7166,
26.9046


 89.5176, 121.2866,
75.7629

 24.3817, 37.5766,
17.2698


 115.2740,
153.1413, 100.0954

 15.7433, 25.6542,
10.2630

145.5499,
190.1355, 129.1486

 9.4324, 16.5652,
5.4658

180.7109,
232.6539, 163.3412

 5.0836, 9.9249,
2.4596

221.1223,
281.0806, 203.0917

 2.3317, 5.3492,
0.8186

267.1493,

 0.8108, 2.4536,

335.8002, 248.8185

0.0000

319.1575,
397.1969, 300.9403

0.0000, 0.8533,
0.0000

0.0000, 0.0000,
0.0000

50.1025, 71.4587,
39.5860

50.1025, 71.4587,
39.5860

44.4704, 68.7564,
30.3302

56.9318, 74.7368,
50.9618

39.9614, 66.5882,
23.0590

65.0162, 78.6115,
64.5723

36.5016, 64.9212,
17.6286

74.4161, 83.1139,
80.5299

34.0058, 63.7151,
13.8742

85.1866, 88.2700,
98.9379

■ 32.3757, 62.9234,
11.6015

■ 90.4515, 90.8031,
107.3672

■ 31.4875, 62.4879,
10.5454

■ 31.3721, 62.4316,
10.3970

Harmonies

Analogous

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



59.4944, 71.4587, 27.2384



50.1025, 71.4587, 39.5860



45.6789, 71.4587, 65.8476

Triad

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



50.1025, 71.4587, 39.5860



63.6041, 71.4587, 174.7748



94.9336, 71.4587, 55.2282

Complementary

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



50.1025, 71.4587, 39.5860



60.4106, 45.2808, 87.9980

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.



96.4116, 71.4587, 91.1319



50.1025, 71.4587, 39.5860



77.1043, 71.4587, 169.0607

Square

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



50.1025, 71.4587, 39.5860



52.7720, 71.4587, 148.7458



89.5267, 71.4587, 135.0158



85.7189, 71.4587, 34.0058

Rectangle

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



50.1025, 71.4587, 39.5860



45.6894, 71.4587, 91.3793



89.5267, 71.4587, 135.0158



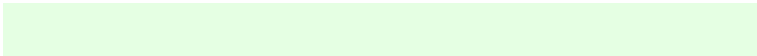
96.3943, 71.4587, 65.6488

Sweetspot

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



50.1043, 71.4617, 39.5876



81.8672, 93.6882, 86.4056



70.7671, 79.5065, 40.0513



17.2035, 19.9002, 17.9517



0.0000, 0.0000, 0.0000



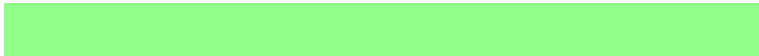
20.3446, 21.4041, 23.3091

Same Dimension

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



50.1043, 71.4617, 39.5876



52.0790, 79.4053, 36.5129



52.6807, 72.3626, 59.0151



15.6623, 17.7061, 16.7418



17.2106, 34.1939, 5.6930



1.4653, 2.8619, 0.4752

Inverse Universe

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



60.4106, 45.2808, 87.9980



65.5479, 45.1339, 99.8647



57.1769, 44.2187, 60.5154



16.3454, 15.9753, 19.9436



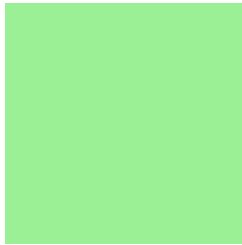
25.5131, 12.1579, 46.1299



2.1532, 1.0273, 3.8390

Previews

White Background



This preview shows how the XYZ color 50.1025, 71.4587, 39.5860 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 50.1025, 71.4587, 39.5860 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 50.1025, 71.4587, 39.5860

Background



This preview shows how black text looks on a background with the XYZ color 50.1025, 71.4587, 39.5860.



This preview shows how white text looks on a background with the XYZ color 50.1025, 71.4587,

39.5860.

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

50.1025, 71.4587, 39.5860

Protanopia

65.3250, 70.7336, 35.0209

Deuteranopia

71.4172, 70.6017, 45.9398



Tritanopia

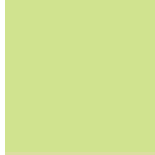
61.7655, 71.0864, 98.4614

Trichromacy



Original Color

50.1025, 71.4587, 39.5860



Protanomaly

58.4394, 70.3312, 36.4818



Deuteranomaly

61.6799, 69.8407, 43.4874



Tritanomaly

56.3404, 70.5234, 72.2709

Monochromacy



Original Color

50.1025, 71.4587, 39.5860



Achromatopsia

57.3938, 60.3827, 65.7568



Achromatomaly

53.7143, 63.5255, 54.7780

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.1025, 71.4587, 39.5860 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(155, 240, 149)` looks like.

```
.text, #text, p{  
    color:rgb(155, 240, 149)  
}
```

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(155, 240, 149) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(155, 240, 149) }
```

Border

The CSS property to change the border of an element to XYZ 50.1025, 71.4587, 39.5860 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(155, 240, 149) }
```


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

```
.border{ border-color:rgb(155, 240, 149) }
```

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

Here you see how a box with a 4 pixel `rgb(155, 240, 149)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(155, 240, 149); -webkit-box-  
shadow:4px 4px 4px 4px rgb(155, 240, 149);  
box-shadow:4px 4px 4px 4px rgb(155, 240,  
149) }
```

Background

The CSS property to change the background color of an element to XYZ 50.1025, 71.4587, 39.5860 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(155, 240, 149) }
```

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

```
.background{ background-color: rgb(155,  
240, 149) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor