

Converting Colors

XYZ(49.9796, 69.3960, 29.2227)

Have a look what the booklet for
XYZ(49.9796, 69.3960, 29.2227)
contains.

XYZ(50.0158, 69.4797, 29.1872)	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(50.0158, 69.4797,
29.1872)**

Conversions

Conversions Part 1

Format	Color
Hex	ABEB7A
RGB	171, 235, 122
RGB Percent	67%, 92%, 48%
CMY	0.3294, 0.0784, 0.5216
CMYK	0.27, 0.00, 0.48, 0.08
HSL	94°, 74%, 70%
HSV	94°, 48%, 92%
XYZ	50.0158, 69.4797, 29.1872
YIQ	202.9820, -1.8710, -48.7110

Conversions

Conversions Part 2

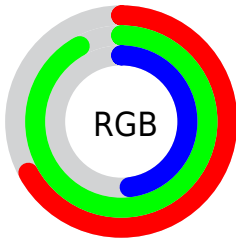
Format	Color
RYB	122, 235, 186
Decimal	11266938
CIELab	86.74, -39.18, 48.18
CIELCh	87, 62.103, 129.115
Yxy	69.4797, 0.3364, 0.4673
Android (android.graphics.Color)	4289457018 (0xFFABEB7A)
YUV	202.9820, -39.9241, -28.0482
Hunter-Lab	83.3545, -38.7637, 37.5873

Details

The XYZ color **50.0158, 69.4797, 29.1872** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **42.2076, 30.3584, 82.2362**, and the grayscale version is **56.9987, 59.9671, 65.3042**.

A 20% lighter version of the original color is **75.5914, 91.1486, 54.6836**, and **24.4280, 36.3954, 11.5319** is the 20% darker color. If you saturate the color by 10%, you get **45.9778, 67.5486, 22.2950**, and if you desaturate by 10%, it is **54.7013, 71.7083, 37.9502**.

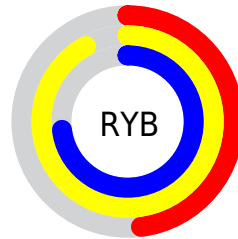
Distribution



Red (67%)

Green (92%)

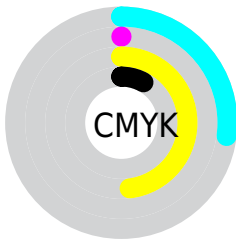
Blue (48%)



Red (48%)

Yellow (92%)

Blue (73%)

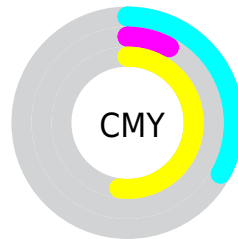


Cyan (27%)

Magenta (0%)

Yellow (48%)

Black (8%)



Cyan (33%)


Magenta (8%)


Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 50.0158, 69.4797, 29.1872 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 50.0158, 69.4797, 29.1872 by changing the saturation by 10% instead.


 50.0158, 69.4797,
29.1872

 50.0158, 69.4797,
29.1872


377.1787,
458.7210, 312.1857


 35.6438, 51.1025,
18.9757


 89.3900, 118.4665,
59.4201

 24.3281, 36.2902,
11.4761


 115.1228,
149.8448, 80.2786

 15.7032, 24.6584,
6.2698


 145.3734,
186.3256, 105.5231

 9.4039, 15.8227,
2.9384

180.5070,
228.2934, 135.5723

 5.0648, 9.3988,
1.0633

220.8889,
276.1324, 170.8446

 2.3205, 5.0022,
0.0000

266.8846,

 0.8051, 2.2486,

330.2270, 211.7585

0.0000

318.8594,
390.9618, 258.7327

0.0000, 0.7463,
0.0000

0.0000, 0.0000,
0.0000

50.0158, 69.4797,
29.1872

50.0158, 69.4797,
29.1872

45.9778, 67.5486,
22.2950

54.7013, 71.7083,
37.9502

42.5477, 65.8910,
17.1328


60.0608, 74.2387,
48.7022


39.6891, 64.4937,
13.5470


66.1249, 77.0867,
61.5569

37.3577, 63.3380,
11.3552


72.9211, 80.2639,
76.6184

 35.4953, 62.3992,
10.3027

 80.4750, 83.7815,
93.9836

 35.1776, 62.2383,
10.1591

 87.4948, 87.1237,
106.8128

 88.9998, 87.8995,
106.8833

Harmonies

Analogous

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



61.7340, 69.4797, 21.1464



50.0158, 69.4797, 29.1872



43.3336, 69.4797, 50.6843

Triad

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



50.0158, 69.4797, 29.1872



56.6211, 69.4797, 176.9996



97.4436, 69.4797, 63.7335

Complementary

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



50.0158, 69.4797, 29.1872



42.2076, 30.3584, 82.2362

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.



95.5450, 69.4797, 107.7089



50.0158, 69.4797, 29.1872



70.5383, 69.4797, 184.5465

Square

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



50.0158, 69.4797, 29.1872



46.7429, 69.4797, 137.7703



85.1623, 69.4797, 155.7007



90.0246, 69.4797, 35.7381

Rectangle

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



50.0158, 69.4797, 29.1872



41.9723, 69.4797, 74.4298



85.1623, 69.4797, 155.7007



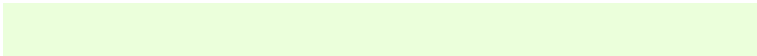
97.8947, 69.4797, 76.8867

Sweetspot

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



50.0175, 69.4827, 29.1887



82.7739, 94.2749, 81.0593



54.9482, 53.4133, 25.8271



17.3462, 20.0052, 16.5351



0.0000, 0.0000, 0.0000



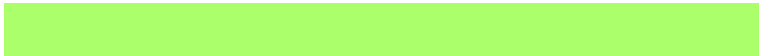
20.3446, 21.4041, 23.3091

Same Dimension

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



50.0175, 69.4827, 29.1887



55.2636, 81.2673, 26.7110



41.6098, 65.1067, 30.6764



15.4879, 17.1815, 16.0188



19.7173, 34.7091, 5.6603



1.6567, 2.7814, 0.4495

Inverse Universe

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



42.2076, 30.3584, 82.2362



44.7715, 28.8159, 97.8100



55.4150, 37.2599, 78.6600



15.0477, 14.9699, 19.0186



13.8873, 6.1951, 44.2068



1.2005, 0.5432, 3.4764

Previews

White Background



This preview shows how the XYZ color 50.0158, 69.4797, 29.1872 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 50.0158, 69.4797, 29.1872 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 50.0158, 69.4797, 29.1872

Background



This preview shows how black text looks on a background with the XYZ color 50.0158, 69.4797, 29.1872.

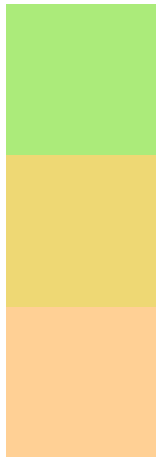


This preview shows how white text looks on a background with the XYZ color 50.0158, 69.4797,

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

50.0158, 69.4797, 29.1872

Protanopia

62.9681, 68.5498, 26.4357

Deuteranopia

69.2207, 68.5417, 38.0153



Tritanopia

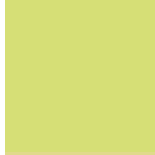
62.8357, 69.3526, 92.5127

Trichromacy



Original Color

50.0158, 69.4797, 29.1872



Protanomaly

57.3892, 68.3795, 27.3134



Deuteranomaly

60.4721, 67.8542, 34.3360



Tritanomaly

56.8385, 68.9145, 63.1294

Monochromacy



Original Color

50.0158, 69.4797, 29.1872



Achromatopsia

56.7640, 59.7202, 65.0353



Achromatomaly

53.4263, 62.7332, 49.3373

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.0158, 69.4797, 29.1872 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(171, 235, 122)` looks like.

```
.text, #text, p{  
    color:rgb(171, 235, 122)  
}
```

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(171, 235, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 235, 122) }
```

Border

The CSS property to change the border of an element to XYZ 50.0158, 69.4797, 29.1872 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(171, 235, 122) }
```


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

```
.border{ border-color:rgb(171, 235, 122) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 235, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 235, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 235, 122);  
box-shadow:4px 4px 4px 4px rgb(171, 235,  
122) }
```

Background

The CSS property to change the background color of an element to XYZ 50.0158, 69.4797, 29.1872 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 235, 122) }
```

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

```
.background{ background-color: rgb(171,  
235, 122) }
```

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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