

Converting Colors

XYZ(50.0272, 69.5258, 27.7761)

Have a look what the booklet for
XYZ(50.0272, 69.5258, 27.7761)
contains.

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Color

**XYZ(49.9916, 69.4953,
27.9186)**

Conversions

Conversions Part 1

Format	Color
Hex	ACEB76
RGB	172, 235, 118
RGB Percent	67%, 92%, 46%
CMY	0.3255, 0.0784, 0.5372
CMYK	0.27, 0.00, 0.50, 0.08
HSL	92°, 75%, 69%
HSV	92°, 50%, 92%
XYZ	49.9916, 69.4953, 27.9186
YIQ	202.8250, 0.0090, -49.7430

Conversions

Conversions Part 2

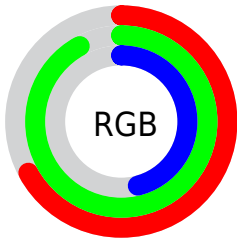
Format	Color
RYB	118, 235, 181
Decimal	11332470
CIELab	86.75, -39.28, 50.09
CIELCh	87, 63.656, 128.100
Yxy	69.4953, 0.3391, 0.4715
Android (android.graphics.Color)	4289522550 (0xFFACEB76)
YUV	202.8250, -41.8187, -27.0335
Hunter-Lab	83.3638, -38.8439, 38.4984

Details

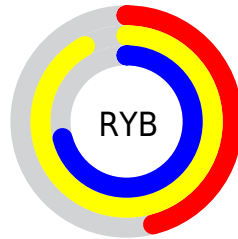
The XYZ color **49.9916, 69.4953, 27.9186** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **40.5328, 28.7808, 82.0200**, and the grayscale version is **56.9107, 59.8744, 65.2033**.

A 20% lighter version of the original color is **75.8395, 91.3216, 52.6594**, and **24.2767, 36.3349, 10.7348** is the 20% darker color. If you saturate the color by 10%, you get **46.1195, 67.6431, 21.3340**, and if you desaturate by 10%, it is **54.4795, 71.6291, 36.3507**.

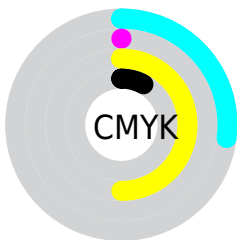
Distribution



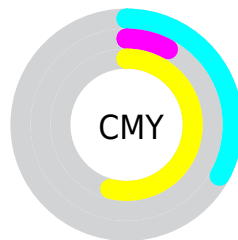
- Red (67%)
- Green (92%)
- Blue (46%)



- Red (46%)
- Yellow (92%)
- Blue (71%)



- Cyan (27%)
- Magenta (0%)
- Yellow (50%)
- Black (8%)





- Cyan (33%)
- Magenta (8%)
- Yellow (54%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.9916, 69.4953, 27.9186 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 49.9916, 69.4953, 27.9186 by changing the saturation by 10% instead.


 49.9916, 69.4953,
27.9186


 49.9916, 69.4953,
27.9186


377.0856,
458.7759, 305.9774


 35.6245, 51.1152,
18.0258


 89.3543, 118.4887,
57.3760

 24.3131, 36.3003,
10.7989


 115.0807,
149.8708, 77.7777

 15.6920, 24.6662,
5.8193


 145.3241,
186.3558, 102.5194

 9.3959, 15.8285,
2.6685

180.4500,
228.3278, 132.0197

 5.0595, 9.4029,
0.9275

220.8238,
276.1715, 166.6971

 2.3173, 5.0049,
0.0000

266.8107,

 0.8035, 2.2501,

330.2711, 206.9702

0.0000

318.7762,
391.0112, 253.2574

0.0000, 0.7471,
0.0000

0.0000, 0.0000,
0.0000

49.9916, 69.4953,
27.9186

49.9916, 69.4953,
27.9186

46.1195, 67.6431,
21.3340

54.4795, 71.6291,
36.3507

42.8244, 66.0490,
16.4532


59.6089, 74.0485,
46.7504


40.0702, 64.7001,
13.1191


65.4097, 76.7687,
59.2331


37.8133, 63.5780,
11.1430

71.9085, 79.8009,
73.9039

 35.9855, 62.6545,
10.2113

 79.1301, 83.1559,
90.8609

 35.9498, 62.6364,
10.1953

 86.4462, 86.5831,
106.7638

 88.9998, 87.8996,
106.8833

Harmonies

Analogous

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



62.1209, 69.4953, 20.2345



49.9916, 69.4953, 27.9186



42.9944, 69.4953, 49.1394

Triad

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



49.9916, 69.4953, 27.9186



55.9891, 69.4953, 179.3880



98.4535, 69.4953, 64.7478

Complementary

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



49.9916, 69.4953, 27.9186



40.5328, 28.7808, 82.0200

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.



96.1603, 69.4953, 110.3532



49.9916, 69.4953, 27.9186



70.1480, 69.4953, 188.5592

Square

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



49.9916, 69.4953, 27.9186



46.0794, 69.4953, 137.9834



85.2320, 69.4953, 159.7204



91.0972, 69.4953, 35.6721

Rectangle

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



49.9916, 69.4953, 27.9186



41.4806, 69.4953, 72.9958



85.2320, 69.4953, 159.7204



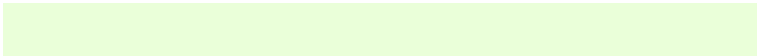
98.8042, 69.4953, 78.4058

Sweetspot

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



49.9933, 69.4983, 27.9201



82.3159, 94.0774, 79.2955



53.9358, 51.7771, 24.2918



17.2697, 19.9734, 16.1887



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.



49.9933, 69.4983, 27.9201



55.3058, 81.3192, 25.3516



40.6883, 64.6741, 28.7198



15.5290, 17.2027, 16.0207



20.1506, 34.9325, 5.6806



1.6922, 2.7997, 0.4512

Inverse Universe

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



40.5328, 28.7808, 82.0200



42.6620, 26.9613, 97.5633



55.1801, 36.3961, 79.7959



15.0060, 14.9484, 19.0167



13.3282, 5.9069, 44.1806



1.1574, 0.5210, 3.4744

Previews

White Background



This preview shows how the XYZ color 49.9916, 69.4953, 27.9186 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 49.9916, 69.4953, 27.9186 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 49.9916, 69.4953, 27.9186

Background



This preview shows how black text looks on a background with the XYZ color 49.9916, 69.4953, 27.9186.

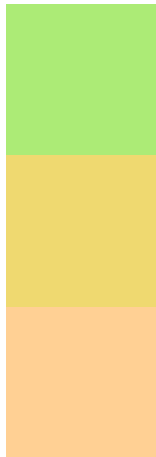


This preview shows how white text looks on a background with the XYZ color 49.9916, 69.4953,

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

49.9916, 69.4953, 27.9186

Protanopia

63.3341, 69.1463, 25.3377

Deuteranopia

69.1412, 68.5099, 37.5966



Tritanopia

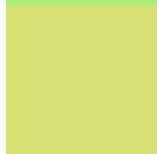
62.9365, 69.4217, 91.7440

Trichromacy



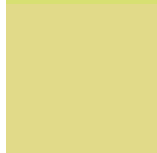
Original Color

49.9916, 69.4953, 27.9186



Protanomaly

57.7172, 68.9733, 26.1907



Deuteranomaly

60.6381, 67.9565, 33.5879



Tritanomaly

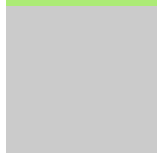
56.8479, 68.9456, 61.9414

Monochromacy



Original Color

49.9916, 69.4953, 27.9186



Achromatopsia

56.7640, 59.7202, 65.0353



Achromatomaly

53.4851, 62.7859, 48.3297

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.9916, 69.4953, 27.9186 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(172, 235, 118)` looks like.

```
.text, #text, p{  
    color:rgb(172, 235, 118)  
}
```

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(172, 235, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 235, 118) }
```

Border

The CSS property to change the border of an element to XYZ 49.9916, 69.4953, 27.9186 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(172, 235, 118) }
```


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

```
.border{ border-color:rgb(172, 235, 118) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 235, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(172, 235, 118); -webkit-box-shadow:4px 4px 4px 4px rgb(172, 235, 118); box-shadow:4px 4px 4px 4px rgb(172, 235, 118) }
```

Background

The CSS property to change the background color of an element to XYZ 49.9916, 69.4953, 27.9186 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 235, 118) }
```

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

```
.background{ background-color: rgb(172,  
235, 118) }
```

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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