

Converting Colors

XYZ(49.8198, 69.2456, 27.6735)

Have a look what the booklet for
XYZ(49.8198, 69.2456, 27.6735)
contains.

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Color

**XYZ(49.9325, 69.4717,
27.6073)**

Conversions

Conversions Part 1

Format	Color
Hex	ACEB75
RGB	172, 235, 117
RGB Percent	67%, 92%, 46%
CMY	0.3255, 0.0784, 0.5412
CMYK	0.27, 0.00, 0.50, 0.08
HSL	92°, 75%, 69%
HSV	92°, 50%, 92%
XYZ	49.9325, 69.4717, 27.6073
YIQ	202.7110, 0.3300, -50.0540

Conversions

Conversions Part 2

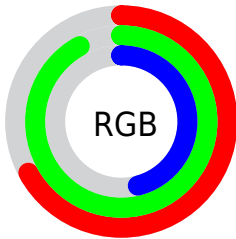
Format	Color
RYB	117, 235, 180
Decimal	11332469
CIELab	86.74, -39.39, 50.55
CIElCh	87, 64.081, 127.926
Yxy	69.4717, 0.3397, 0.4726
Android (android.graphics.Color)	4289522549 (0xFFACEB75)
YUV	202.7110, -42.2555, -26.9335
Hunter-Lab	83.3497, -38.9275, 38.7066

Details

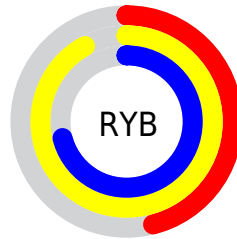
The XYZ color **49.9325, 69.4717, 27.6073** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **40.1821, 28.4261, 81.9701**, and the grayscale version is **56.8416, 59.8018, 65.1241**.

A 20% lighter version of the original color is **75.7438, 91.2833, 52.1554**, and **24.2480, 36.3234, 10.5836** is the 20% darker color. If you saturate the color by 10%, you get **46.0959, 67.6361, 21.0987**, and if you desaturate by 10%, it is **54.3794, 71.5861, 35.9576**.

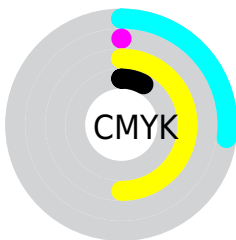
Distribution



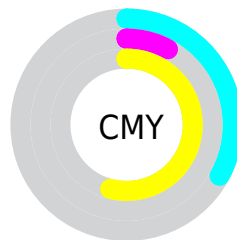
- Red (67%)
- Green (92%)
- Blue (46%)



- 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 49.9325, 69.4717, 27.6073 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 49.9325, 69.4717, 27.6073 by changing the saturation by 10% instead.

 49.9325, 69.4717,
27.6073


 49.9325, 69.4717,
27.6073


376.8583,
458.6929, 304.4383


 35.5773, 51.0960,
17.7934


 89.2673, 118.4551,
56.8724

 24.2765, 36.2850,
10.6338


 114.9776,
149.8315, 77.1607

 15.6647, 24.6544,
5.7101


 145.2037,
186.3102, 101.7775

 9.3766, 15.8197,
2.6037

180.3110,
228.2757, 131.1413

 5.0467, 9.3967,
0.8944

220.6647,
276.1123, 165.6708

 2.3097, 5.0008,
0.0000

266.6302,

 0.7996, 2.2477,

330.2044, 205.7844

0.0000

318.5730,
390.9365, 251.9008

0.0000, 0.7458,
0.0000

0.0000, 0.0000,
0.0000

49.9325, 69.4717,
27.6073

49.9325, 69.4717,
27.6073

46.0959, 67.6361,
21.0987

54.3794, 71.5861,
35.9576

42.8309, 66.0561,
16.2874


59.4620, 73.9833,
46.2703


40.1014, 64.7186,
13.0153


65.2105, 76.6785,
58.6611

37.8636, 63.6052,
11.0921

71.6511, 79.6828,
73.2355

 36.0817, 62.7044,
10.2015

 78.8086, 83.0070,
90.0918

 86.2186, 86.4659,
106.7531

 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.



62.1564, 69.4717, 19.9868



49.9325, 69.4717, 27.6073



42.8697, 69.4717, 48.7955

Triad

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



49.9325, 69.4717, 27.6073



55.8334, 69.4717, 180.0753



98.6858, 69.4717, 64.8778

Complementary

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



49.9325, 69.4717, 27.6073



40.1821, 28.4261, 81.9701

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.



96.3163, 69.4717, 110.8791



49.9325, 69.4717, 27.6073



70.0629, 69.4717, 189.5680

Square

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



49.9325, 69.4717, 27.6073



45.9022, 69.4717, 138.1536



85.2632, 69.4717, 160.6370



91.3213, 69.4717, 35.5721

Rectangle

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



49.9325, 69.4717, 27.6073



41.3272, 69.4717, 72.7105



85.2632, 69.4717, 160.6370



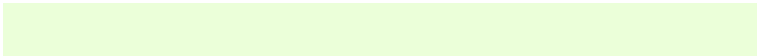
99.0195, 69.4717, 78.6530

Sweetspot

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



49.9342, 69.4747, 27.6088



82.3734, 94.1070, 79.2982



53.7824, 51.5648, 23.9490



17.2835, 19.9805, 16.1893



0.0000, 0.0000, 0.0000



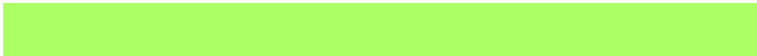
20.3446, 21.4041, 23.3091

Same Dimension

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



49.9342, 69.4747, 27.6088



55.4601, 81.3987, 25.3588



40.4937, 64.5807, 28.3999



15.5357, 17.2062, 16.0210



20.2244, 34.9706, 5.6841



1.6982, 2.8028, 0.4515

Inverse Universe

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



40.1821, 28.4261, 81.9701



42.4947, 26.8750, 97.5554



55.0583, 36.1600, 79.7321



14.9993, 14.9449, 19.0164



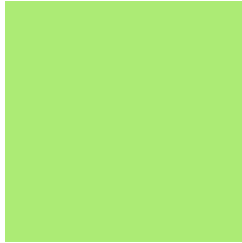
13.2401, 5.8615, 44.1765



1.1506, 0.5174, 3.4741

Previews

White Background



This preview shows how the XYZ color 49.9325, 69.4717, 27.6073 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 49.9325, 69.4717, 27.6073 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 49.9325, 69.4717, 27.6073

Background



This preview shows how black text looks on a background with the XYZ color 49.9325, 69.4717, 27.6073.



This preview shows how white text looks on a background with the XYZ color 49.9325, 69.4717,

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

49.9325, 69.4717, 27.6073

Protanopia

63.2787, 69.1241, 25.0461

Deuteranopia

69.1412, 68.5099, 37.5966



Tritanopia

62.9365, 69.4217, 91.7440

Trichromacy



Original Color

49.9325, 69.4717, 27.6073



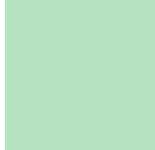
Protanomaly

57.6606, 68.9506, 25.8926



Deuteranomaly

60.6381, 67.9565, 33.5879



Tritanomaly

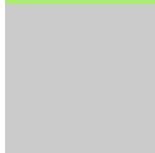
56.8479, 68.9456, 61.9414

Monochromacy



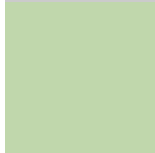
Original Color

49.9325, 69.4717, 27.6073



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 49.9325, 69.4717, 27.6073 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, 117)` looks like.

```
.text, #text, p{  
    color:rgb(172, 235, 117)  
}
```

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, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 235, 117) }
```

Border

The CSS property to change the border of an element to XYZ 49.9325, 69.4717, 27.6073 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, 117) }
```


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

```
.border{ border-color:rgb(172, 235, 117) }
```

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, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 235, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 235, 117);  
box-shadow:4px 4px 4px 4px rgb(172, 235,  
117) }
```

Background

The CSS property to change the background color of an element to XYZ 49.9325, 69.4717, 27.6073 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, 117) }
```

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

```
.background{ background-color: rgb(172,  
235, 117) }
```

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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