

Converting Colors

XYZ(49.1273, 70.0064, 26.5782)

Have a look what the booklet for
XYZ(49.1273, 70.0064, 26.5782)
contains.

XYZ(48.9907, 69.8676, 26.5265)	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(48.9907, 69.8676,
26.5265)**

Conversions

Conversions Part 1

Format	Color
Hex	A6ED71
RGB	166, 237, 113
RGB Percent	65%, 93%, 44%
CMY	0.3490, 0.0706, 0.5568
CMYK	0.30, 0.00, 0.52, 0.07
HSL	94°, 78%, 69%
HSV	94°, 52%, 93%
XYZ	48.9907, 69.8676, 26.5265
YIQ	201.6350, -2.5120, -53.6160

Conversions

Conversions Part 2

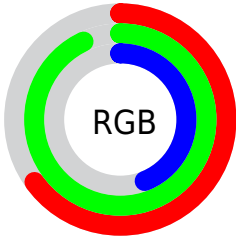
Format	Color
RYB	113, 237, 184
Decimal	10939761
CIELab	86.93, -42.78, 52.56
CIELCh	87, 67.766, 129.144
Yxy	69.8676, 0.3370, 0.4806
Android (android.graphics.Color)	4289129841 (0xFFA6ED71)
YUV	201.6350, -43.6971, -31.2519
Hunter-Lab	83.5868, -41.6572, 39.6950

Details

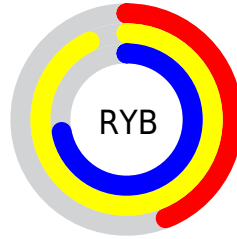
The XYZ color **48.9907, 69.8676, 26.5265** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **40.9615, 28.1171, 83.3929**, and the grayscale version is **56.1779, 59.1035, 64.3637**.

A 20% lighter version of the original color is **73.4755, 90.1573, 50.0887**, and **23.7699, 36.6890, 10.1038** is the 20% darker color. If you saturate the color by 10%, you get **45.1309, 68.0145, 20.2675**, and if you desaturate by 10%, it is **53.5025, 72.0209, 34.6373**.

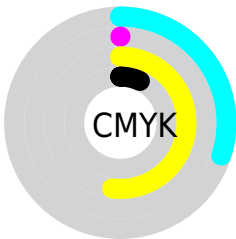
Distribution



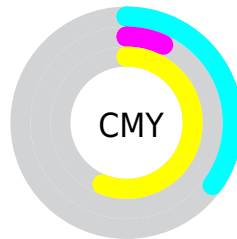
- Red (65%)
- Green (93%)
- Blue (44%)



- Red (44%)
- Yellow (93%)
- Blue (72%)



- Cyan (30%)
- Magenta (0%)
- Yellow (52%)
- Black (7%)



- Cyan (35%)
- Magenta (7%)
- Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.9907, 69.8676, 26.5265 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 48.9907, 69.8676, 26.5265 by changing the saturation by 10% instead.


 48.9907, 69.8676,
26.5265


 48.9907, 69.8676,
26.5265


373.2233,
460.0850, 299.0444

 34.8266, 51.4186,
16.9886


 87.8784, 119.0199,
55.1176

 23.6952, 36.5419,
10.0645


 113.3328,
150.4920, 75.0079

 15.2312, 24.8530,
5.3356


 143.2813,
187.0740, 99.1861

 9.0692, 15.9675,
2.3833

178.0893,
229.1502, 128.0707

 4.8438, 9.5012,
0.7773

218.1221,
277.1050, 162.0803

 2.1897, 5.0695,
0.0000

263.7452,

 0.7373, 2.2881,

331.3228, 201.6335

0.0000

315.3238,
392.1880, 247.1487

■ 0.0000, 0.7674,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 48.9907, 69.8676,
26.5265

■ 48.9907, 69.8676,
26.5265

■ 45.1309, 68.0145,
20.2675

■ 53.5025, 72.0209,
34.6373

■ 41.8810, 66.4367,
15.7092


■ 58.6949, 74.4797,
44.7260


■ 39.2011, 65.1193,
12.6845


■ 64.6006, 77.2606,
56.9131


■ 37.0424, 64.0417,
10.9899

■ 71.2484, 80.3759,
71.3080

 35.6853, 63.3549,
10.3479

 78.6655, 83.8375,
88.0127

 86.8443, 87.6433,
106.9474

 89.5756, 89.0513,
107.0752

Harmonies

Analogous

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



61.6878, 69.8676, 18.3953



48.9907, 69.8676, 26.5265



41.8373, 69.8676, 49.0747

Triad

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



48.9907, 69.8676, 26.5265



56.1521, 69.8676, 190.0257



101.2074, 69.8676, 63.0484

Complementary

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



48.9907, 69.8676, 26.5265



40.9615, 28.1171, 83.3929

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.



99.0940, 69.8676, 111.5088



48.9907, 69.8676, 26.5265



71.3610, 69.8676, 198.6255

Square

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



48.9907, 69.8676, 26.5265



45.4927, 69.8676, 145.4134



87.5277, 69.8676, 165.6531



92.9126, 69.8676, 33.2563

Rectangle

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



48.9907, 69.8676, 26.5265



40.3916, 69.8676, 74.7794



87.5277, 69.8676, 165.6531



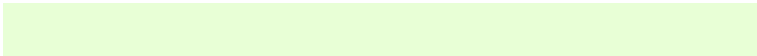
101.7159, 69.8676, 77.3833

Sweetspot

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



48.9924, 69.8706, 26.5280



81.0843, 93.4804, 77.5223



54.8970, 53.1766, 22.9945



17.0073, 19.8456, 15.8386



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.



48.9924, 69.8706, 26.5280



52.9024, 80.1220, 23.3491



40.5639, 65.4693, 28.6751



15.4787, 17.1768, 16.0184



19.6252, 34.6617, 5.6560



1.6491, 2.7775, 0.4492

Inverse Universe

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



40.9615, 28.1171, 83.3929



42.4164, 25.7696, 97.3462



54.9386, 35.4590, 77.8860



15.0570, 14.9747, 19.0191



14.0165, 6.2617, 44.2128



1.2103, 0.5482, 3.4769

Previews

White Background



This preview shows how the XYZ color 48.9907, 69.8676, 26.5265 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 48.9907, 69.8676, 26.5265 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

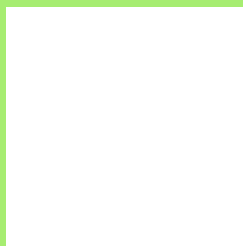
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 48.9907, 69.8676, 26.5265

Background



This preview shows how black text looks on a background with the XYZ color 48.9907, 69.8676, 26.5265.

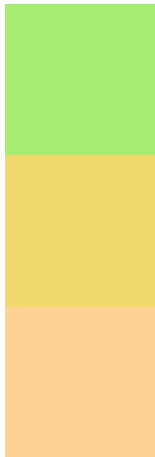


This preview shows how white text looks on a background with the XYZ color 48.9907, 69.8676,

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

48.9907, 69.8676, 26.5265

Protanopia

63.3496, 69.1916, 23.6521

Deuteranopia

69.4653, 69.0309, 38.0968



Tritanopia

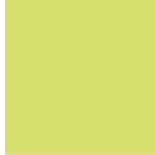
62.2724, 69.4405, 93.3403

Trichromacy



Original Color

48.9907, 69.8676, 26.5265



Protanomaly

56.8565, 68.5616, 24.7050



Deuteranomaly

60.2069, 68.1286, 33.2694



Tritanomaly

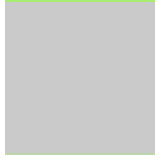
55.8411, 68.8468, 61.3846

Monochromacy



Original Color

48.9907, 69.8676, 26.5265



Achromatopsia

56.1383, 59.0619, 64.3184



Achromatomaly

52.5424, 62.3220, 47.2903

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.9907, 69.8676, 26.5265 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(166, 237, 113)` looks like.

```
.text, #text, p{  
    color:rgb(166, 237, 113)  
}
```

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(166, 237, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 237, 113) }
```

Border

The CSS property to change the border of an element to XYZ 48.9907, 69.8676, 26.5265 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(166, 237, 113) }
```


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

```
.border{ border-color:rgb(166, 237, 113) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 237, 113)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(166, 237, 113); -webkit-box-shadow:4px 4px 4px 4px rgb(166, 237, 113); box-shadow:4px 4px 4px 4px rgb(166, 237, 113) }
```

Background

The CSS property to change the background color of an element to XYZ 48.9907, 69.8676, 26.5265 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 237, 113) }
```

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

```
.background{ background-color: rgb(166,  
237, 113) }
```

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