

Converting Colors

XYZ(46.1518, 67.0405, 49.2376)

Have a look what the booklet for
XYZ(46.1518, 67.0405, 49.2376)
contains.

XYZ(46.1123, 67.0241, 49.0346)	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(46.1123, 67.0241,
49.0346)**

Conversions

Conversions Part 1

Format	Color
Hex	81EBAB
RGB	129, 235, 171
RGB Percent	51%, 92%, 67%
CMY	0.4941, 0.0784, 0.3294
CMYK	0.45, 0.00, 0.27, 0.08
HSL	144°, 73%, 71%
HSV	144°, 45%, 92%
XYZ	46.1123, 67.0241, 49.0346
YIQ	196.0100, -42.6320, -42.3760

Conversions

Conversions Part 2

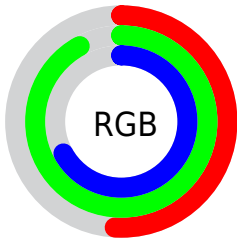
Format	Color
RYB	129, 205, 235
Decimal	8514475
CIELab	85.52, -44.69, 21.73
CIELCh	86, 49.689, 154.071
Yxy	67.0241, 0.2843, 0.4133
Android (android.graphics.Color)	4286704555 (0xFF81EBAB)
YUV	196.0100, -12.3299, -58.7678
Hunter-Lab	81.8682, -42.7293, 21.7963

Details

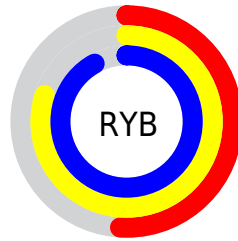
The XYZ color **46.1123, 67.0241, 49.0346** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **51.7391, 37.2145, 54.9109**, and the grayscale version is **52.5668, 55.3043, 60.2264**.

A 20% lighter version of the original color is **69.8748, 87.5052, 85.8804**, and **21.7889, 34.4884, 22.6481** is the 20% darker color. If you saturate the color by 10%, you get **41.6642, 64.8809, 42.1419**, and if you desaturate by 10%, it is **51.5299, 69.6541, 56.7335**.

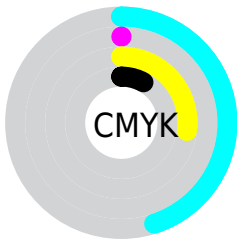
Distribution



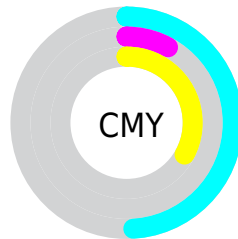
- Red (51%)
- Green (92%)
- Blue (67%)



- Red (51%)
- Yellow (80%)
- Blue (92%)



- Cyan (45%)
- Magenta (0%)
- Yellow (27%)
- Black (8%)





- Cyan (49%)
- Magenta (8%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.1123, 67.0241, 49.0346 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 46.1123, 67.0241, 49.0346 by changing the saturation by 10% instead.


 46.1123, 67.0241,
49.0346


 46.1123, 67.0241,
49.0346


361.9683,
450.0306, 399.5049


 32.5394, 49.1042,
34.2811


 83.6139, 114.9549,
90.1244

 21.9314, 34.7022,
22.8305


 108.2733,
145.7347, 117.2977

 13.9228, 23.4335,
14.2643


 137.3590,
181.5698, 149.4482

 8.1484, 14.9140,
8.1639

171.2362,
222.8448, 186.9942

 4.2426, 8.7590,
4.1107

210.2704,
269.9440, 230.3543

 1.8403, 4.5843,
1.6863

254.8270,

 0.5418, 2.0055,

323.2517, 279.9471

0.3513

305.2711,
383.1524, 336.1911

0.0000, 0.6107,
0.0000

0.0000, 0.0000,
0.0000

46.1123, 67.0241,
49.0346

46.1123, 67.0241,
49.0346

41.6642, 64.8809,
42.1419

51.5299, 69.6541,
56.7335

38.1188, 63.1849,
36.0242


57.9678, 72.7909,
65.2595


35.4087, 61.9038,
30.6548


65.4793, 76.4634,
74.6383


33.4540, 60.9970,
26.0033

74.1124, 80.6958,
84.8930

 32.1573, 60.4150,
22.0373

 83.9120, 85.5110,
96.0460

 31.6904, 60.2115,
20.3339

 88.9996, 87.8992,
106.8832

Harmonies

Analogous

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



52.3036, 67.0241, 32.6514



46.1123, 67.0241, 49.0346



44.4164, 67.0241, 77.4794

Triad

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



46.1123, 67.0241, 49.0346



65.2574, 67.0241, 154.1873



83.4253, 67.0241, 43.4027

Complementary

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



46.1123, 67.0241, 49.0346



51.7391, 37.2145, 54.9109

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.



87.8964, 67.0241, 68.6541



46.1123, 67.0241, 49.0346



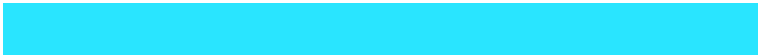
76.6521, 67.0241, 137.5185

Square

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



46.1123, 67.0241, 49.0346



54.6783, 67.0241, 144.3601



85.2829, 67.0241, 103.6684



73.6729, 67.0241, 30.1379

Rectangle

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



46.1123, 67.0241, 49.0346



45.8729, 67.0241, 101.3764



85.2829, 67.0241, 103.6684



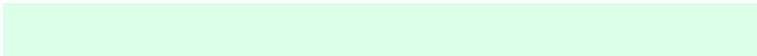
85.6448, 67.0241, 50.4498

Sweetspot

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



46.1141, 67.0268, 49.0361



79.8354, 92.5353, 91.0778



56.0155, 72.5226, 31.8156



16.6380, 19.5860, 18.9467



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.



46.1141, 67.0268, 49.0361



50.5694, 78.2959, 51.4061



52.0336, 69.3947, 80.2081



15.1155, 16.9610, 17.2912



17.6951, 33.5325, 11.6255



1.4357, 2.6516, 1.1562

Inverse Universe

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



51.7391, 37.2145, 54.9109



58.1133, 38.2434, 59.2330



46.9482, 35.2981, 29.6823



15.4474, 15.2068, 17.6414



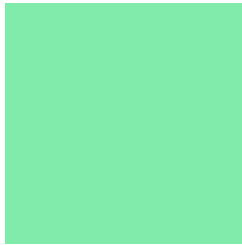
21.8451, 10.9407, 15.5175



1.7625, 0.8780, 1.4669

Previews

White Background



This preview shows how the XYZ color 46.1123, 67.0241, 49.0346 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 46.1123, 67.0241, 49.0346 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 46.1123, 67.0241, 49.0346

Background



This preview shows how black text looks on a background with the XYZ color 46.1123, 67.0241, 49.0346.



This preview shows how white text looks on a background with the XYZ color 46.1123, 67.0241,

49.0346.

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

46.1123, 67.0241, 49.0346

Protanopia

61.6551, 65.9911, 43.2062

Deuteranopia

67.2849, 65.8126, 51.2763



Tritanopia

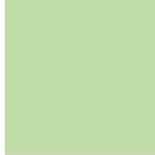
55.5581, 67.1274, 95.6166

Trichromacy



Original Color

46.1123, 67.0241, 49.0346



Protanomaly

53.8706, 64.9794, 45.3003



Deuteranomaly

56.6669, 64.3925, 49.9998



Tritanomaly

51.3589, 66.6238, 75.7984

Monochromacy



Original Color

46.1123, 67.0241, 49.0346



Achromatopsia

52.4687, 55.2011, 60.1140



Achromatomaly

49.0295, 58.4517, 55.7119

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.1123, 67.0241, 49.0346 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(129, 235, 171)` looks like.

```
.text, #text, p{  
    color:rgb(129, 235, 171)  
}
```

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(129, 235, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 235, 171) }
```

Border

The CSS property to change the border of an element to XYZ 46.1123, 67.0241, 49.0346 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(129, 235, 171) }
```


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

```
.border{ border-color:rgb(129, 235, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 235, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 235, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 235, 171);  
box-shadow:4px 4px 4px 4px rgb(129, 235,  
171) }
```

Background

The CSS property to change the background color of an element to XYZ 46.1123, 67.0241, 49.0346 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 235, 171) }
```

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

```
.background{ background-color: rgb(129,  
235, 171) }
```

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