

Converting Colors

XYZ(32.1688, 46.3999, 14.6576)

Have a look what the booklet for
XYZ(32.1688, 46.3999, 14.6576)
contains.

XYZ(32.0866, 46.3560, 14.6536)	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(32.0866, 46.3560,
14.6536)**

Conversions

Conversions Part 1

Format	Color
Hex	8AC64F
RGB	138, 198, 79
RGB Percent	54%, 78%, 31%
CMY	0.4588, 0.2235, 0.6902
CMYK	0.30, 0.00, 0.60, 0.22
HSL	90°, 51%, 54%
HSV	90°, 60%, 78%
XYZ	32.0866, 46.3560, 14.6536
YIQ	166.4940, 2.4390, -49.7290

Conversions

Conversions Part 2

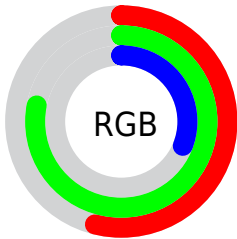
Format	Color
RYB	79, 198, 139
Decimal	9094735
CIELab	73.78, -38.82, 52.29
CIELCh	74, 65.126, 126.586
Yxy	46.3560, 0.3447, 0.4979
Android (android.graphics.Color)	4287284815 (0xFF8AC64F)
YUV	166.4940, -43.1345, -24.9892
Hunter-Lab	68.0852, -35.0273, 34.8990

Details

The XYZ color **32.0866, 46.3560, 14.6536** is a dark color, and the websafe version is hex **99CC66**. The color can be described as middle muted chartreuse. A complement of this color would be **23.6386, 15.1596, 55.1090**, and the grayscale version is **36.6877, 38.5984, 42.0336**.

A 20% lighter version of the original color is **62.1730, 84.6553, 34.8930**, and **13.6952, 21.8474, 4.3058** is the 20% darker color. If you saturate the color by 10%, you get **29.8942, 45.2985, 11.3332**, and if you desaturate by 10%, it is **34.6477, 47.5817, 19.1134**.

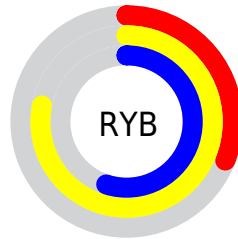
Distribution



Red (54%)

Green (78%)

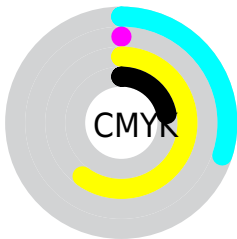
Blue (31%)



Red (31%)

Yellow (78%)

Blue (55%)

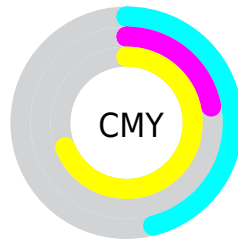


Cyan (30%)

Magenta (0%)

Yellow (60%)

Black (22%)



Cyan (46%)

Magenta (22%)

Yellow (69%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 32.0866, 46.3560, 14.6536 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 32.0866, 46.3560, 14.6536 by changing the saturation by 10% instead.

■ 32.0866, 46.3560,
14.6536

■ 32.0866, 46.3560,
14.6536

303.2518,
372.2380, 232.8280

■ 21.5835, 32.5268,
8.4327

■ 62.3111, 84.7515,
34.9780

■ 13.6661, 21.7642,
4.2813

■ 82.7632, 110.0867,
49.9186

■ 7.9689, 13.6838,
1.7809

■ 107.2624,
140.0260, 68.6029

■ 4.1267, 7.9010,
0.4153

■ 136.1741,
174.9538, 91.4493

■ 1.7741, 4.0317,
0.0000

■ 169.8635,
215.2545, 118.8765

■ 0.5020, 1.6913,
0.0000

208.6960,

■ 0.0000, 0.4180,

261.3125, 151.3030

0.0000

253.0370,
313.5122, 189.1473

■ 0.0000, 0.0000,
0.0000

■ 32.0866, 46.3560,
14.6536

■ 32.0866, 46.3560,
14.6536

■ 29.8942, 45.2985,
11.3332

■ 34.6477, 47.5817,
19.1134

■ 28.0435, 44.3931,
9.0453

■ 37.5954, 48.9785,
24.8008

■ 26.5080, 43.6304,
7.6678

■ 40.9502, 50.5565,
31.7988

■ 25.2497, 42.9960,
6.9683

■ 44.7298, 52.3233,
40.1824

■ 48.9510, 54.2860,
50.0208

■ 53.6293, 56.4513,
61.3786

■ 58.7797, 58.8253,
74.3165

■ 64.4161, 61.4143,
88.8920

■ 70.1946, 64.0808,
103.2769

Harmonies

Analogous

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



41.5576, 46.3560, 9.9518



32.0866, 46.3560, 14.6536



26.6366, 46.3560, 29.1538

Triad

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



32.0866, 46.3560, 14.6536



35.7980, 46.3560, 134.4154



70.0594, 46.3560, 43.5140

Complementary

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



32.0866, 46.3560, 14.6536



23.6386, 15.1596, 55.1090

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.



67.7888, 46.3560, 80.2596



32.0866, 46.3560, 14.6536



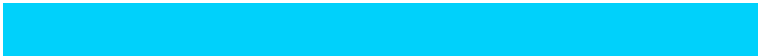
46.6608, 46.3560, 143.9020

Square

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



32.0866, 46.3560, 14.6536



28.5026, 46.3560, 98.7649



58.6934, 46.3560, 120.8603



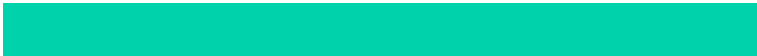
64.4452, 46.3560, 21.2278

Rectangle

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



32.0866, 46.3560, 14.6536



25.3755, 46.3560, 46.7736



58.6934, 46.3560, 120.8603



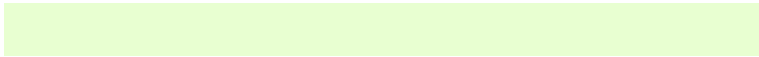
70.2057, 46.3560, 54.3641

Sweetspot

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



32.0877, 46.3580, 14.6546



80.5128, 93.2600, 74.1440



33.8622, 30.8929, 11.5760



16.7838, 19.7521, 14.8454



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.



32.0877, 46.3580, 14.6546



51.8964, 79.7057, 18.6783



24.8313, 42.6172, 14.3150



10.9899, 12.1417, 11.3271



16.5182, 28.0108, 4.5360



0.8657, 1.3694, 0.2187

Inverse Universe

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



23.6386, 15.1596, 55.1090



35.6341, 19.6677, 96.5259



36.2797, 21.6763, 55.7006



10.5578, 10.5458, 13.3966



10.1339, 4.4585, 35.0708



0.5634, 0.2542, 1.6645

Previews

White Background



This preview shows how the XYZ color 32.0866, 46.3560, 14.6536 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 32.0866, 46.3560, 14.6536 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 32.0866, 46.3560, 14.6536

Background



This preview shows how black text looks on a background with the XYZ color 32.0866, 46.3560, 14.6536.



This preview shows how white text looks on a background with the XYZ color 32.0866, 46.3560,

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

32.0866, 46.3560, 14.6536

Protanopia

41.8473, 45.9597, 13.1441

Deuteranopia

46.9042, 45.8811, 15.4006



Tritanopia

41.5018, 46.2565, 61.3846

Trichromacy



Original Color

32.0866, 46.3560, 14.6536

Protanomaly

37.4349, 45.5274, 13.6521

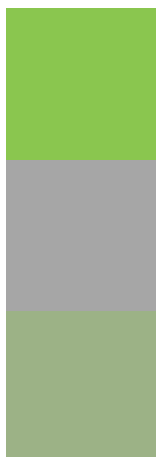
Deuteranomaly

39.8623, 44.8943, 14.9520

Tritanomaly

36.8086, 45.6168, 38.3174

Monochromacy



Original Color

32.0866, 46.3560, 14.6536

Achromatopsia

36.2450, 38.1326, 41.5264

Achromatomaly

33.9338, 40.6299, 28.6081

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.0866, 46.3560, 14.6536 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(138, 198, 79)` looks like.

```
.text, #text, p{  
    color:rgb(138, 198, 79)  
}
```

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(138, 198, 79) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 198, 79) }
```

Border

The CSS property to change the border of an element to XYZ 32.0866, 46.3560, 14.6536 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(138, 198, 79) }
```


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

```
.border{ border-color:rgb(138, 198, 79) }
```

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

Here you see how a box with a 4 pixel rgb(138, 198, 79) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 198, 79); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 198, 79);  
box-shadow:4px 4px 4px 4px rgb(138, 198,  
79) }
```

Background

The CSS property to change the background color of an element to XYZ 32.0866, 46.3560, 14.6536 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 198, 79) }
```

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

```
.background{ background-color: rgb(138,  
198, 79) }
```

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