

Converting Colors

XYZ(36.7896, 49.1023, 14.3033)

Have a look what the booklet for
XYZ(36.7896, 49.1023, 14.3033)
contains.

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Color

**XYZ(36.8322, 49.1552,
14.3841)**

Conversions

Conversions Part 1

Format	Color
Hex	A3C74C
RGB	163, 199, 76
RGB Percent	64%, 78%, 30%
CMY	0.3608, 0.2196, 0.7019
CMYK	0.18, 0.00, 0.62, 0.22
HSL	78°, 52%, 54%
HSV	78°, 62%, 78%
XYZ	36.8322, 49.1552, 14.3841
YIQ	174.2140, 18.0270, -45.8850

Conversions

Conversions Part 2

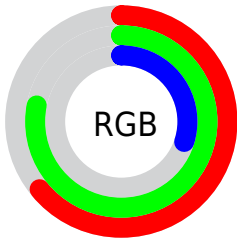
Format	Color
RYB	76, 199, 112
Decimal	10733388
CIELab	75.55, -30.07, 55.98
CIELCh	76, 63.547, 118.244
Yxy	49.1552, 0.3670, 0.4897
Android (android.graphics.Color)	4288923468 (0xFFA3C74C)
YUV	174.2140, -48.4195, -9.8347
Hunter-Lab	70.1108, -28.9201, 36.9135

Details

The XYZ color **36.8322, 49.1552, 14.3841** 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 **19.5772, 12.7384, 55.4627**, and the grayscale version is **40.5781, 42.6914, 46.4909**.

A 20% lighter version of the original color is **69.3045, 88.3473, 34.5191**, and **16.4033, 23.4764, 4.1571** is the 20% darker color. If you saturate the color by 10%, you get **35.0796, 48.3212, 11.2327**, and if you desaturate by 10%, it is **38.8561, 50.1075, 18.6670**.

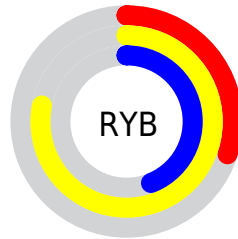
Distribution



Red (64%)

Green (78%)

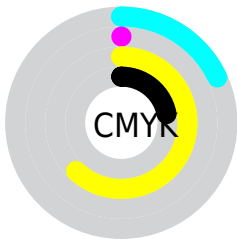
Blue (30%)



Red (30%)

Yellow (78%)

Blue (44%)

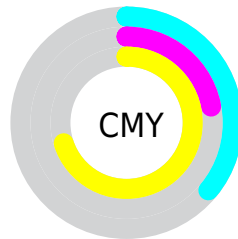


Cyan (18%)

Magenta (0%)

Yellow (62%)

Black (22%)



Cyan (36%)

Magenta (22%)

Yellow (70%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 36.8322, 49.1552, 14.3841 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 36.8322, 49.1552, 14.3841 by changing the saturation by 10% instead.

■ 36.8322, 49.1552,
14.3841

■ 36.8322, 49.1552,
14.3841

323.9516,
383.3530, 231.1183

■ 25.2507, 34.7426,
8.2465

■ 69.6301, 88.9219,
34.4959

■ 16.3936, 23.4647,
4.1631

■ 91.5773, 115.0448,
49.3072

■ 9.8957, 14.9370,
1.7152

■ 117.7103,
145.8400, 67.8468

■ 5.3916, 8.7752,
0.3711

■ 148.3946,
181.6918, 90.5332

■ 2.5159, 4.5948,
0.0000

■ 183.9955,
222.9845, 117.7851

■ 0.9033, 2.0116,
0.0000

224.8785,

■ 0.0000, 0.6142,

270.1027, 150.0208

0.0000

271.4087,
323.4308, 187.6591

■ 0.0000, 0.0000,
0.0000

■ 36.8322, 49.1552,
14.3841

■ 36.8322, 49.1552,
14.3841

■ 35.0796, 48.3212,
11.2327

■ 38.8561, 50.1075,
18.6670

■ 33.5735, 47.5904,
9.1017

■ 41.1664, 51.1790,
24.1723

■ 32.2899, 46.9548,
7.8635

■ 43.7808, 52.3787,
30.9854

■ 31.3669, 46.4900,
7.3203

■ 46.7148, 53.7128,
39.1831

■ 49.9824, 55.1871,
48.8363

■ 53.5968, 56.8068,
60.0110

■ 57.5704, 58.5770,
72.7692

■ 61.9151, 60.5025,
87.1694

■ 66.6245, 62.5809,
103.1756

Harmonies

Analogous

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



47.4154, 49.1552, 11.4218



36.8322, 49.1552, 14.3841



30.0359, 49.1552, 26.1996

Triad

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



36.8322, 49.1552, 14.3841



35.8195, 49.1552, 129.4524



73.1081, 49.1552, 55.5265

Complementary

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



36.8322, 49.1552, 14.3841



19.5772, 12.7384, 55.4627

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.



68.6614, 49.1552, 95.2613



36.8322, 49.1552, 14.3841



46.0325, 49.1552, 147.6240

Square

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



36.8322, 49.1552, 14.3841



29.5238, 49.1552, 90.3119



58.2370, 49.1552, 133.0536



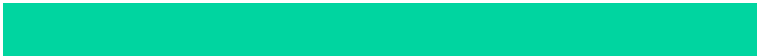
69.5591, 49.1552, 28.3883

Rectangle

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



36.8322, 49.1552, 14.3841



27.9232, 49.1552, 41.4021



58.2370, 49.1552, 133.0536



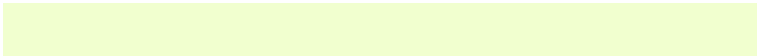
72.4860, 49.1552, 67.8017

Sweetspot

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



36.8334, 49.1574, 14.3851



83.1809, 94.6717, 72.6328



30.5276, 24.0017, 9.8619



17.4632, 20.1094, 14.5597



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.



36.8334, 49.1574, 14.3851



60.5086, 84.1637, 18.2568



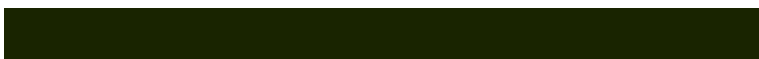
27.2830, 44.2340, 13.9382



11.2098, 12.2551, 11.3374



20.2594, 29.9394, 4.7111



1.0289, 1.4535, 0.2263

Inverse Universe

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



19.5772, 12.7384, 55.4627



27.9763, 15.2554, 96.0778



29.9852, 18.1040, 55.9497



10.3436, 10.4354, 13.3866



7.8370, 3.2744, 34.9633



0.4447, 0.1930, 1.6590

Previews

White Background



This preview shows how the XYZ color 36.8322, 49.1552, 14.3841 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 36.8322, 49.1552, 14.3841 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

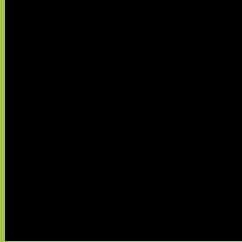
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 36.8322, 49.1552, 14.3841

Background



This preview shows how black text looks on a background with the XYZ color 36.8322, 49.1552, 14.3841.



This preview shows how white text looks on a background with the XYZ color 36.8322, 49.1552,

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

36.8322, 49.1552, 14.3841

Protanopia

44.4607, 48.8511, 13.2168

Deuteranopia

49.9166, 48.8918, 14.9898



Tritanopia

46.4616, 48.7998, 62.2289

Trichromacy



Original Color

36.8322, 49.1552, 14.3841

Protanomaly

41.3193, 48.8190, 13.5486

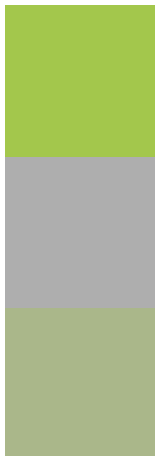
Deuteranomaly

44.2505, 48.3989, 14.5991

Tritanomaly

41.8651, 48.5461, 38.6163

Monochromacy



Original Color

36.8322, 49.1552, 14.3841

Achromatopsia

40.2316, 42.3268, 46.0938

Achromatomaly

38.0985, 44.2480, 30.5775

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.8322, 49.1552, 14.3841 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(163, 199, 76)` looks like.

```
.text, #text, p{  
    color:rgb(163, 199, 76)  
}
```

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(163, 199, 76) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 199, 76) }
```

Border

The CSS property to change the border of an element to XYZ 36.8322, 49.1552, 14.3841 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(163, 199, 76) }
```


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

```
.border{ border-color:rgb(163, 199, 76) }
```

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

Here you see how a box with a 4 pixel rgb(163, 199, 76) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 199, 76); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 199, 76);  
box-shadow:4px 4px 4px 4px rgb(163, 199,  
76) }
```

Background

The CSS property to change the background color of an element to XYZ 36.8322, 49.1552, 14.3841 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 199, 76) }
```

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

```
.background{ background-color: rgb(163,  
199, 76) }
```

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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