

Converting Colors

XYZ(36.2125, 49.0897, 14.6656)

Have a look what the booklet for
XYZ(36.2125, 49.0897, 14.6656)
contains.

XYZ(36.2919, 49.2153, 14.6079)	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(36.2919, 49.2153,
14.6079)**

Conversions

Conversions Part 1

Format	Color
Hex	9FC84D
RGB	159, 200, 77
RGB Percent	62%, 78%, 30%
CMY	0.3765, 0.2157, 0.6980
CMYK	0.21, 0.00, 0.61, 0.22
HSL	80°, 53%, 54%
HSV	80°, 61%, 78%
XYZ	36.2919, 49.2153, 14.6079
YIQ	173.7190, 15.0470, -46.9450

Conversions

Conversions Part 2

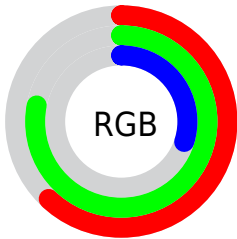
Format	Color
RYB	77, 200, 118
Decimal	10471501
CIELab	75.59, -32.02, 55.52
CIELCh	76, 64.094, 119.977
Yxy	49.2153, 0.3625, 0.4916
Android (android.graphics.Color)	4288661581 (0xFF9FC84D)
YUV	173.7190, -47.6825, -12.9086
Hunter-Lab	70.1536, -30.4271, 36.7617

Details

The XYZ color **36.2919, 49.2153, 14.6079** 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 **20.5524, 13.3308, 56.1363**, and the grayscale version is **40.3205, 42.4203, 46.1957**.

A 20% lighter version of the original color is **68.1756, 87.7576, 34.8184**, and **16.0970, 23.5445, 4.2684** is the 20% darker color. If you saturate the color by 10%, you get **34.4051, 48.3137, 11.3835**, and if you desaturate by 10%, it is **38.4694, 50.2449, 18.9810**.

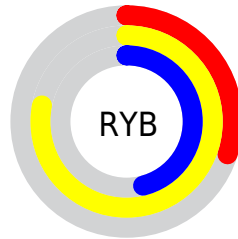
Distribution



Red (62%)

Green (78%)

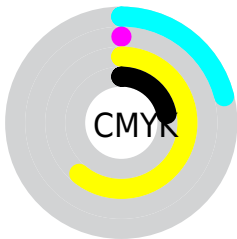
Blue (30%)



Red (30%)

Yellow (78%)

Blue (46%)

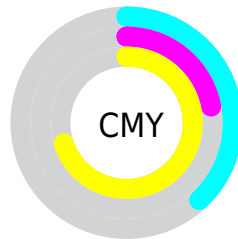


Cyan (21%)

Magenta (0%)

Yellow (61%)

Black (22%)



Cyan (38%)

Magenta (22%)

Yellow (70%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 36.2919, 49.2153, 14.6079 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 36.2919, 49.2153, 14.6079 by changing the saturation by 10% instead.

■ 36.2919, 49.2153,
14.6079

■ 36.2919, 49.2153,
14.6079

321.6436,
383.5893, 232.5390

■ 24.8309, 34.7903,
8.4011

■ 68.8033, 89.0111,
34.8964

■ 16.0792, 23.5014,
4.2612

■ 90.5844, 115.1508,
49.8151

■ 9.6714, 14.9642,
1.7697

■ 116.5362,
145.9641, 68.4749

■ 5.2422, 8.7942,
0.4079

■ 147.0241,
181.8354, 91.2943

■ 2.4263, 4.6072,
0.0000

■ 182.4134,
223.1492, 118.6919

■ 0.8582, 2.0187,
0.0000

223.0695,

■ 0.0000, 0.6183,

270.2899, 151.0862

0.0000

269.3578,
323.6418, 188.8957

■ 0.0000, 0.0000,
0.0000

■ 36.2919, 49.2153,
14.6079

■ 36.2919, 49.2153,
14.6079

■ 34.4051, 48.3137,
11.3835

■ 38.4694, 50.2449,
18.9810

■ 32.7838, 47.5246,
9.1958

■ 40.9534, 51.4038,
24.5945

■ 31.4035, 46.8399,
7.9163

■ 43.7621, 52.7010,
31.5346

■ 30.3802, 46.3241,
7.3402

■ 46.9113, 54.1430,
39.8790

■ 50.4156, 55.7359,
49.6991

■ 54.2887, 57.4851,
61.0617

■ 58.5435, 59.3959,
74.0294

■ 63.1921, 61.4733,
88.6614

■ 67.9212, 63.5920,
103.3024

Harmonies

Analogous

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



46.7868, 49.2153, 11.2367



36.2919, 49.2153, 14.6079



29.6935, 49.2153, 27.1198

Triad

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



36.2919, 49.2153, 14.6079



36.2786, 49.2153, 132.2662



73.4616, 49.2153, 53.6132

Complementary

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



36.2919, 49.2153, 14.6079



20.5524, 13.3308, 56.1363

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.



69.4081, 49.2153, 93.3158



36.2919, 49.2153, 14.6079



46.7686, 49.2153, 148.9098

Square

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



36.2919, 49.2153, 14.6079



29.6868, 49.2153, 93.2504



59.1105, 49.2153, 132.3139



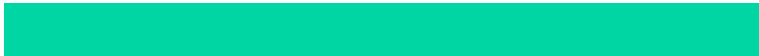
69.4200, 49.2153, 27.1486

Rectangle

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



36.2919, 49.2153, 14.6079



27.7370, 49.2153, 43.0137



59.1105, 49.2153, 132.3139



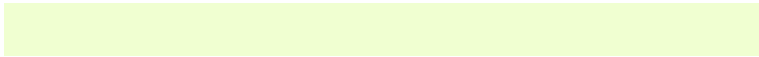
72.9928, 49.2153, 65.7650

Sweetspot

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



36.2931, 49.2175, 14.6089



83.1138, 94.6009, 74.2658



31.6393, 25.7737, 10.3291



17.4193, 20.0797, 14.8752



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.



36.2931, 49.2175, 14.6089



58.5140, 83.1355, 18.1635



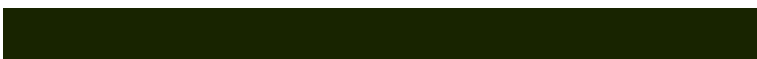
26.9787, 44.4157, 14.1730



11.1671, 12.2331, 11.3354



19.4141, 29.5036, 4.6715



0.9938, 1.4354, 0.2247

Inverse Universe

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



20.5524, 13.3308, 56.1363



29.1005, 15.8349, 96.1304



31.7872, 19.1226, 56.6621



10.3843, 10.4564, 13.3885



8.1720, 3.4471, 34.9790



0.4641, 0.2030, 1.6599

Previews

White Background



This preview shows how the XYZ color 36.2919, 49.2153, 14.6079 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 36.2919, 49.2153, 14.6079 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 36.2919, 49.2153, 14.6079

Background



This preview shows how black text looks on a background with the XYZ color 36.2919, 49.2153, 14.6079.



This preview shows how white text looks on a background with the XYZ color 36.2919, 49.2153,

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

36.2919, 49.2153, 14.6079

Protanopia

44.4936, 48.8642, 13.3900

Deuteranopia

49.9555, 48.9074, 15.1946



Tritanopia

45.8866, 48.8036, 62.8787

Trichromacy



Original Color

36.2919, 49.2153, 14.6079

Protanomaly

41.1020, 48.7032, 13.7129

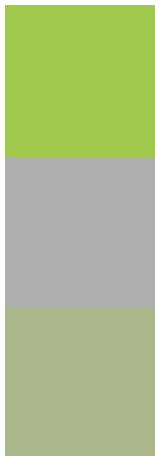
Deuteranomaly

43.7360, 48.1294, 14.7693

Tritanomaly

41.2976, 48.5686, 39.0964

Monochromacy



Original Color

36.2919, 49.2153, 14.6079

Achromatopsia

40.2316, 42.3268, 46.0938

Achromatomaly

37.9559, 44.1661, 30.9505

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.2919, 49.2153, 14.6079 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(159, 200, 77)` looks like.

```
.text, #text, p{  
    color:rgb(159, 200, 77)  
}
```

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(159, 200, 77) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 200, 77) }
```

Border

The CSS property to change the border of an element to XYZ 36.2919, 49.2153, 14.6079 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(159, 200, 77) }
```


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

```
.border{ border-color:rgb(159, 200, 77) }
```

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

Here you see how a box with a 4 pixel rgb(159, 200, 77) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 200, 77); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 200, 77);  
box-shadow:4px 4px 4px 4px rgb(159, 200,  
77) }
```

Background

The CSS property to change the background color of an element to XYZ 36.2919, 49.2153, 14.6079 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 200, 77) }
```

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

```
.background{ background-color: rgb(159,  
200, 77) }
```

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