

Converting Colors

XYZ(35.2093, 47.9921, 13.6773)

Have a look what the booklet for
XYZ(35.2093, 47.9921, 13.6773)
contains.

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Color

**XYZ(35.3013, 48.0373,
13.7149)**

Conversions

Conversions Part 1

Format	Color
Hex	9DC649
RGB	157, 198, 73
RGB Percent	62%, 78%, 29%
CMY	0.3843, 0.2235, 0.7137
CMYK	0.21, 0.00, 0.63, 0.22
HSL	80°, 52%, 53%
HSV	80°, 63%, 78%
XYZ	35.3013, 48.0373, 13.7149
YIQ	171.4910, 15.6890, -47.5670

Conversions

Conversions Part 2

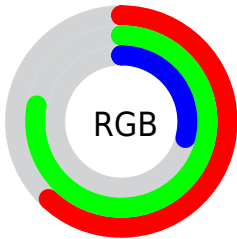
Format	Color
RYB	73, 198, 114
Decimal	10339913
CIELab	74.85, -32.18, 56.38
CIELCh	75, 64.917, 119.717
Yxy	48.0373, 0.3637, 0.4950
Android (android.graphics.Color)	4288529993 (0xFF9DC649)
YUV	171.4910, -48.5561, -12.7086
Hunter-Lab	69.3089, -30.3748, 36.7839

Details

The XYZ color **35.3013, 48.0373, 13.7149** is a dark color, and the websafe version is hex **99CC33**. The color can be described as middle muted chartreuse. A complement of this color would be **19.5170, 12.4210, 54.7977**, and the grayscale version is **39.1884, 41.2293, 44.8987**.

A 20% lighter version of the original color is **67.3223, 87.3484, 33.3903**, and **15.5075, 22.7932, 3.8694** is the 20% darker color. If you saturate the color by 10%, you get **33.5131, 47.1812, 10.7333**, and if you desaturate by 10%, it is **37.3681, 49.0160, 17.8021**.

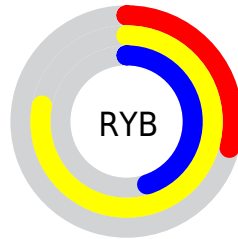
Distribution



Red (62%)

Green (78%)

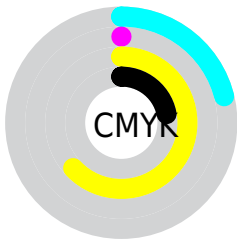
Blue (29%)



Red (29%)

Yellow (78%)

Blue (45%)

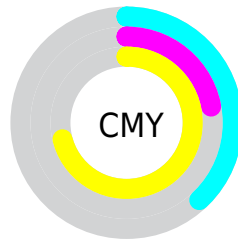


Cyan (21%)

Magenta (0%)

Yellow (63%)

Black (22%)



Cyan (38%)

Magenta (22%)

Yellow (71%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 35.3013, 48.0373, 13.7149 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 35.3013, 48.0373, 13.7149 by changing the saturation by 10% instead.

■ 35.3013, 48.0373,
13.7149

■ 35.3013, 48.0373,
13.7149

317.3810,
378.9400, 226.8163

■ 24.0627, 33.8564,
7.7862

■ 67.2832, 87.2599,
33.2921

■ 15.5051, 22.7833,
3.8726

■ 88.7572, 113.0705,
47.7777

■ 9.2633, 14.4336,
1.5557

■ 114.3737,
143.5264, 65.9526

■ 4.9718, 8.4229,
0.2589

■ 144.4980,
179.0120, 88.2354

■ 2.2653, 4.3667,
0.0000

■ 179.4956,
219.9118, 115.0446

■ 0.7768, 1.8807,
0.0000

219.7317,

■ 0.0000, 0.5368,

266.6101, 146.7988

0.0000

265.5717,
319.4914, 183.9166

■ 0.0000, 0.0000,
0.0000

■ 35.3013, 48.0373,
13.7149

■ 35.3013, 48.0373,
13.7149

■ 33.5131, 47.1812,
10.7333

■ 37.3681, 49.0160,
17.8021

■ 31.9785, 46.4325,
8.7455

■ 39.7290, 50.1186,
23.0863

■ 30.6727, 45.7828,
7.6218

■ 42.4023, 51.3542,
29.6530

■ 29.8762, 45.3810,
7.1848

■ 45.4034, 52.7290,
37.5789

■ 48.7467, 54.2489,
46.9347

■ 52.4457, 55.9194,
57.7863

■ 56.5129, 57.7457,
70.1954

■ 60.9604, 59.7326,
84.2201

■ 65.7994, 61.8849,
99.9159

Harmonies

Analogous

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



45.7704, 48.0373, 10.5013



35.3013, 48.0373, 13.7149



28.7223, 48.0373, 25.8865

Triad

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



35.3013, 48.0373, 13.7149



35.1378, 48.0373, 130.9596



72.3377, 48.0373, 52.6266

Complementary

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



35.3013, 48.0373, 13.7149



19.5170, 12.4210, 54.7977

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.



68.2081, 48.0373, 92.4302



35.3013, 48.0373, 13.7149



45.5459, 48.0373, 148.0119

Square

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



35.3013, 48.0373, 13.7149



28.6400, 48.0373, 91.6187



57.8648, 48.0373, 131.5533



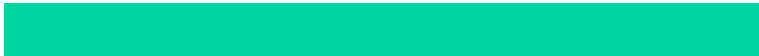
68.3549, 48.0373, 26.2365

Rectangle

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



35.3013, 48.0373, 13.7149



26.7615, 48.0373, 41.5329



57.8648, 48.0373, 131.5533



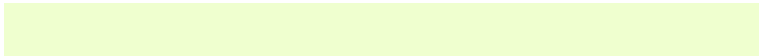
71.8435, 48.0373, 64.7938

Sweetspot

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



35.3024, 48.0394, 13.7159



82.6001, 94.3723, 72.6056



30.3519, 24.2059, 9.3765



17.3220, 20.0365, 14.5531



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.



35.3024, 48.0394, 13.7159



58.2009, 82.9908, 17.3945



26.2134, 43.3539, 13.2906



11.1727, 12.2360, 11.3357



19.5214, 29.5590, 4.6766



0.9983, 1.4377, 0.2249

Inverse Universe

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



19.5170, 12.4210, 54.7977



28.1539, 14.9218, 96.0041



30.2753, 17.9672, 55.3012



10.3789, 10.4536, 13.3882



8.1253, 3.4230, 34.9768



0.4615, 0.2016, 1.6597

Previews

White Background



This preview shows how the XYZ color 35.3013, 48.0373, 13.7149 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 35.3013, 48.0373, 13.7149 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 35.3013, 48.0373, 13.7149

Background



This preview shows how black text looks on a background with the XYZ color 35.3013, 48.0373, 13.7149.



This preview shows how white text looks on a background with the XYZ color 35.3013, 48.0373,

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

35.3013, 48.0373, 13.7149

Protanopia

43.3915, 47.6898, 12.5483

Deuteranopia

48.7728, 47.7331, 14.2322



Tritanopia

44.7875, 47.6387, 61.4782

Trichromacy



Original Color

35.3013, 48.0373, 13.7149

Protanomaly

40.0421, 47.5288, 12.8579

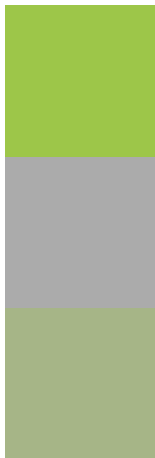
Deuteranomaly

42.6302, 46.9594, 13.8384

Tritanomaly

40.1825, 47.3755, 37.5984

Monochromacy



Original Color

35.3013, 48.0373, 13.7149

Achromatopsia

38.7082, 40.7240, 44.3485

Achromatomaly

36.6229, 42.9040, 29.2727

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.3013, 48.0373, 13.7149 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(157, 198, 73)` looks like.

```
.text, #text, p{  
    color:rgb(157, 198, 73)  
}
```

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(157, 198, 73) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 198, 73) }
```

Border

The CSS property to change the border of an element to XYZ 35.3013, 48.0373, 13.7149 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(157, 198, 73) }
```


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

```
.border{ border-color:rgb(157, 198, 73) }
```

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

Here you see how a box with a 4 pixel `rgb(157, 198, 73)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 198, 73); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 198, 73);  
box-shadow:4px 4px 4px 4px rgb(157, 198,  
73) }
```

Background

The CSS property to change the background color of an element to XYZ 35.3013, 48.0373, 13.7149 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 198, 73) }
```

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

```
.background{ background-color: rgb(157,  
198, 73) }
```

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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