

# Converting Colors

XYZ(30.3340, 41.8747, 12.9624)

Have a look what the booklet for  
XYZ(30.3340, 41.8747, 12.9624)  
contains.

<b>XYZ(30.3340, 41.8747, 12.9624)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(30.3340, 41.8747,  
12.9624)**

# Conversions

## Conversions Part 1

Format	Color
Hex	8FBB4A
RGB	143, 187, 74
RGB Percent	56%, 73%, 29%
CMY	0.4392, 0.2666, 0.7098
CMYK	0.24, 0.00, 0.60, 0.27
HSL	83°, 45%, 51%
HSV	83°, 60%, 73%
XYZ	30.3340, 41.8747, 12.9624
YIQ	160.9620, 10.0490, -44.4710

# Conversions

## Conversions Part 2

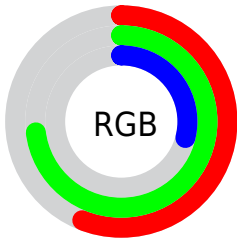
<b>Format</b>	<b>Color</b>
<b>RYB</b>	74, 187, 118
Decimal	9419594
CIELab	70.78, -32.38, 51.24
CIELCh	71, 60.614, 122.289
Yxy	41.8747, 0.3562, 0.4917
Android (android.graphics.Color)	4287609674 (0xFF8FBB4A)
YUV	160.9620, -42.8723, -15.7527
Hunter-Lab	64.7107, -29.5694, 33.4209

# Details

The XYZ color **30.3340, 41.8747, 12.9624** is a dark color, and the websafe version is hex **99CC66**. A complement of this color would be **18.8914, 12.3382, 48.4020**, and the grayscale version is **34.0493, 35.8225, 39.0107**.

A 20% lighter version of the original color is **59.4345, 77.7756, 31.9583**, and **12.7461, 19.2145, 3.5673** is the 20% darker color. If you saturate the color by 10%, you get **28.5756, 41.0318, 10.0664**, and if you desaturate by 10%, it is **32.3635, 42.8384, 16.8501**.

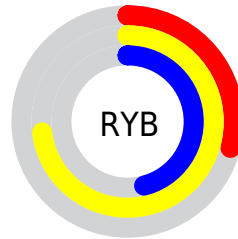
# Distribution



Red (56%)

Green (73%)

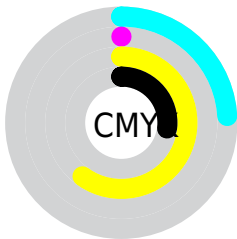
Blue (29%)



Red (29%)

Yellow (73%)

Blue (46%)

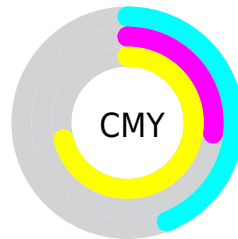


Cyan (24%)

Magenta (0%)

Yellow (60%)

Black (27%)



Cyan (44%)

Magenta (27%)

Yellow (71%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 30.3340, 41.8747, 12.9624 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 30.3340, 41.8747, 12.9624 by changing the saturation by 10% instead.



■ 30.3340, 41.8747,  
12.9624

■ 30.3340, 41.8747,  
12.9624

295.3402,  
353.9633, 221.8759

■ 20.2416, 29.0032,  
7.2722

■ 59.5730, 78.0100,  
31.9264

■ 12.6800, 19.0832,  
3.5519

■ 79.4503, 102.0425,  
46.0373

■ 7.2841, 11.7304,  
1.3829

■ 103.3199,  
130.5642, 63.7923

■ 3.6883, 6.5604,  
0.1283

■ 131.5471,  
163.9593, 85.6098

■ 1.5273, 3.1887,  
0.0000

■ 164.4975,  
202.6125, 111.9083

■ 0.3443, 1.2310,  
0.0000

202.5362,

■ 0.0000, 0.0868,

246.9079, 143.1065

0.0000

246.0286,  
297.2300, 179.6229

■ 0.0000, 0.0000,  
0.0000

■ 30.3340, 41.8747,  
12.9624

■ 30.3340, 41.8747,  
12.9624

■ 28.5756, 41.0318,  
10.0664

■ 32.3635, 42.8384,  
16.8501

■ 27.0666, 40.2966,  
8.0692

■ 34.6778, 43.9241,  
21.8063

■ 25.7862, 39.6618,  
6.8645

■ 37.2927, 45.1399,  
27.9032

■ 24.7343, 39.1321,  
6.2496

■ 40.2220, 46.4914,  
35.2060

■ 43.4787, 47.9840,  
43.7749

■ 47.0747, 49.6226,  
53.6662

■ 51.0213, 51.4119,  
64.9327

■ 55.3293, 53.3563,  
77.6243

■ 60.0091, 55.4601,  
91.7885

# Harmonies

## Analogous

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



39.0328, 41.8747, 9.6151



30.3340, 41.8747, 12.9624



25.0116, 41.8747, 24.3768

# Triad

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



30.3340, 41.8747, 12.9624



31.4646, 41.8747, 114.3463



62.4321, 41.8747, 43.4168

# Complementary

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



30.3340, 41.8747, 12.9624



18.8914, 12.3382, 48.4020

# 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.



59.5041, 41.8747, 76.5196



30.3340, 41.8747, 12.9624



40.5785, 41.8747, 126.3960

# Square

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



30.3340, 41.8747, 12.9624



25.5828, 41.8747, 82.0620



51.0566, 41.8747, 110.3094



58.4994, 41.8747, 21.9378



# Rectangle

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



30.3340, 41.8747, 12.9624



23.5416, 41.8747, 38.5565



51.0566, 41.8747, 110.3094



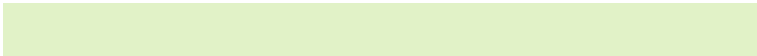
62.2170, 41.8747, 53.4406

# Sweetspot

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



30.3350, 41.8766, 12.9633



73.2296, 83.8111, 66.1345



28.1294, 23.8572, 9.6014



15.7670, 18.2914, 13.6389



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438



# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



30.3350, 41.8766, 12.9633



50.1112, 72.9677, 16.5062



22.9553, 38.0722, 12.6179



9.9527, 10.9300, 10.1618



17.1240, 27.0036, 4.3097



0.7420, 1.0945, 0.1721



# Inverse Universe

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



18.8914, 12.3382, 48.4020



27.8535, 15.3442, 85.6951



28.8348, 17.4641, 48.8673



9.3584, 9.4017, 11.9937



8.1397, 3.4823, 32.6360



0.3925, 0.1744, 1.2818



# Previews

## White Background



This preview shows how the XYZ color 30.3340, 41.8747, 12.9624 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 30.3340, 41.8747, 12.9624 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 30.3340, 41.8747, 12.9624**

## **Background**



This preview shows how black text looks on a background with the XYZ color 30.3340, 41.8747, 12.9624.



This preview shows how white text looks on a background with the XYZ color 30.3340, 41.8747,



# 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

30.3340, 41.8747, 12.9624

### Protanopia

37.7873, 41.5358, 11.8200

### Deuteranopia

42.2012, 41.2911, 13.5303



## Tritanopia

38.6158, 41.6032, 54.1391

# Trichromacy



## Original Color

30.3340, 41.8747, 12.9624

## Protanomaly

34.5133, 41.2944, 12.1128

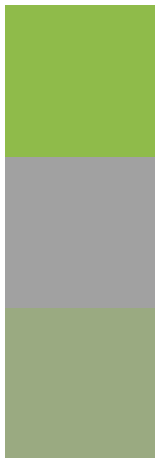
## Deuteranomaly

36.8667, 40.7465, 13.1295

## Tritanomaly

34.5234, 41.1191, 33.7210

# Monochromacy



## Original Color

30.3340, 41.8747, 12.9624

## Achromatopsia

33.8758, 35.6400, 38.8120

## Achromatomaly

31.6636, 37.2045, 26.2812

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 30.3340, 41.8747, 12.9624 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(143, 187, 74)` looks like.

```
.text, #text, p{  
    color:rgb(143, 187, 74)  
}
```

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(143, 187, 74) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(143, 187, 74) }
```

## Border

The CSS property to change the border of an element to XYZ 30.3340, 41.8747, 12.9624 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(143, 187, 74) }
```



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

```
.border{ border-color:rgb(143, 187, 74) }
```

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

Here you see how a box with a 4 pixel `rgb(143, 187, 74)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(143, 187, 74); -webkit-box-  
shadow:4px 4px 4px 4px rgb(143, 187, 74);  
box-shadow:4px 4px 4px 4px rgb(143, 187,  
74) }
```

# Background

The CSS property to change the background color of an element to XYZ 30.3340, 41.8747, 12.9624 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(143, 187, 74) }
```

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

```
.background{ background-color: rgb(143,  
187, 74) }
```

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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