

Converting Colors

XYZ(36.6974, 47.4359, 12.6907)

Have a look what the booklet for
XYZ(36.6974, 47.4359, 12.6907)
contains.

XYZ(36.6974, 47.4359, 12.6907)	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(36.6974, 47.4359,
12.6907)**

Conversions

Conversions Part 1

Format	Color
Hex	A9C244
RGB	169, 194, 68
RGB Percent	66%, 76%, 27%
CMY	0.3373, 0.2392, 0.7333
CMYK	0.13, 0.00, 0.65, 0.24
HSL	72°, 51%, 51%
HSV	72°, 65%, 76%
XYZ	36.6974, 47.4359, 12.6907
YIQ	172.1610, 25.5460, -44.4860

Conversions

Conversions Part 2

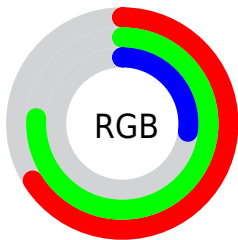
Format	Color
RYB	68, 194, 93
Decimal	11125316
CIELab	74.47, -25.86, 58.28
CIELCh	74, 63.764, 113.928
Yxy	47.4359, 0.3790, 0.4899
Android (android.graphics.Color)	4289315396 (0xFFA9C244)
YUV	172.1610, -51.3514, -2.7722
Hunter-Lab	68.8737, -25.4204, 37.2868

Details

The XYZ color **36.6974, 47.4359, 12.6907** 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 **16.3205, 10.3576, 52.1807**, and the grayscale version is **39.5383, 41.5974, 45.2996**.

A 20% lighter version of the original color is **69.6886, 86.7304, 31.4800**, and **16.3175, 22.3336, 3.4508** is the 20% darker color. If you saturate the color by 10%, you get **35.3871, 46.8195, 10.0340**, and if you desaturate by 10%, it is **38.2301, 48.1475, 16.3821**.

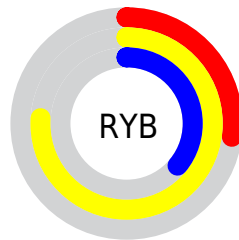
Distribution



Red (66%)

Green (76%)

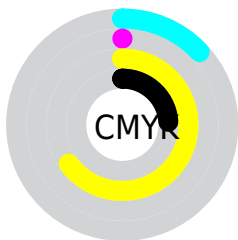
Blue (27%)



Red (27%)

Yellow (76%)

Blue (36%)

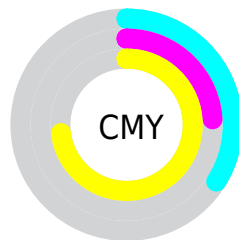


Cyan (13%)

Magenta (0%)

Yellow (65%)

Black (24%)



Cyan (34%)

Magenta (24%)

Yellow (73%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 36.6974, 47.4359, 12.6907 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 36.6974, 47.4359, 12.6907 by changing the saturation by 10% instead.

■ 36.6974, 47.4359,
12.6907

■ 36.6974, 47.4359,
12.6907

323.3769,
376.5518, 220.0635

■ 25.1459, 33.3804,
7.0877

■ 69.4240, 86.3639,
31.4300

■ 16.3151, 22.4180,
3.4377

■ 91.3298, 112.0052,
45.4033

■ 9.8397, 14.1644,
1.3223

■ 117.4177,
142.2772, 63.0039

■ 5.3542, 8.2351,
0.0799

■ 148.0531,
177.5643, 84.6502

■ 2.4934, 4.2457,
0.0000

■ 183.6014,
218.2510, 110.7608

■ 0.8919, 1.8120,
0.0000

224.4279,

■ 0.0000, 0.4946,

264.7215, 141.7541

0.0000

270.8979,
317.3603, 178.0489

■ 0.0000, 0.0000,
0.0000

■ 36.6974, 47.4359,
12.6907

■ 36.6974, 47.4359,
12.6907

■ 35.3871, 46.8195,
10.0340

■ 38.2301, 48.1475,
16.3821

■ 34.2756, 46.2836,
8.3027

■ 39.9996, 48.9550,
21.1972

■ 33.3391, 45.8206,
7.3686

■ 42.0227, 49.8667,
27.2186

■ 32.9075, 45.6042,
7.0681

■ 44.3136, 50.8885,
34.5205

■ 46.8856, 52.0256,
43.1710

■ 49.7508, 53.2829,
53.2337

■ 52.9207, 54.6650,
64.7677

■ 56.4061, 56.1764,
77.8290

■ 60.2173, 57.8210,
92.4707

Harmonies

Analogous

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



47.4665, 47.4359, 10.7972



36.6974, 47.4359, 12.6907



29.4679, 47.4359, 22.6103

Triad

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



36.6974, 47.4359, 12.6907



33.2772, 47.4359, 121.6298



70.8500, 47.4359, 58.6433

Complementary

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



36.6974, 47.4359, 12.6907



16.3205, 10.3576, 52.1807

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.



65.4307, 47.4359, 98.6433



36.6974, 47.4359, 12.6907



42.7872, 47.4359, 143.7123

Square

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



36.6974, 47.4359, 12.6907



27.7409, 47.4359, 81.8367



54.6653, 47.4359, 133.8784



68.4754, 47.4359, 29.9823

Rectangle

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



36.6974, 47.4359, 12.6907



26.9978, 47.4359, 36.0235



54.6653, 47.4359, 133.8784



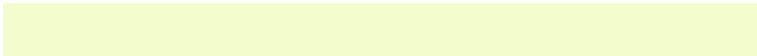
69.8540, 47.4359, 71.2448

Sweetspot

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



36.6985, 47.4380, 12.6917



82.8477, 93.3292, 71.0797



27.0428, 19.3873, 7.7863



17.8479, 20.3077, 14.5777



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.



36.6985, 47.4380, 12.6917



63.2035, 84.3869, 16.6397



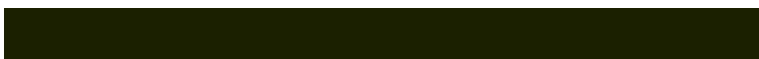
26.5090, 42.1852, 12.2148



10.7113, 11.6541, 10.7468



21.7021, 30.0167, 4.6500



0.9888, 1.3233, 0.2033

Inverse Universe

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



16.3205, 10.3576, 52.1807



23.7135, 12.2531, 93.5850



25.1518, 14.9102, 52.5940



9.7108, 9.8421, 12.6727



6.9942, 2.8660, 33.7412



0.3590, 0.1531, 1.4605

Previews

White Background



This preview shows how the XYZ color 36.6974, 47.4359, 12.6907 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 36.6974, 47.4359, 12.6907 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 36.6974, 47.4359, 12.6907

Background



This preview shows how black text looks on a background with the XYZ color 36.6974, 47.4359, 12.6907.



This preview shows how white text looks on a background with the XYZ color 36.6974, 47.4359,

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

36.6974, 47.4359, 12.6907

Protanopia

42.7895, 47.0860, 11.8343

Deuteranopia

48.0846, 47.1110, 13.2156



Tritanopia

46.2202, 47.5087, 58.9586

Trichromacy



Original Color

36.6974, 47.4359, 12.6907

Protanomaly

40.2396, 47.0104, 12.1073

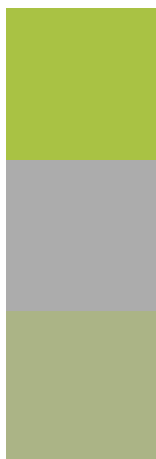
Deuteranomaly

43.1472, 46.6374, 12.8587

Tritanomaly

41.3438, 46.7527, 35.2789

Monochromacy



Original Color

36.6974, 47.4359, 12.6907

Achromatopsia

39.2122, 41.2543, 44.9259

Achromatomaly

37.4189, 43.0217, 28.8861

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.6974, 47.4359, 12.6907 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(169, 194, 68)` looks like.

```
.text, #text, p{  
    color:rgb(169, 194, 68)  
}
```

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(169, 194, 68) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 194, 68) }
```

Border

The CSS property to change the border of an element to XYZ 36.6974, 47.4359, 12.6907 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(169, 194, 68) }
```


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

```
.border{ border-color:rgb(169, 194, 68) }
```

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

Here you see how a box with a 4 pixel `rgb(169, 194, 68)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(169, 194, 68); -webkit-box-shadow:4px 4px 4px 4px rgb(169, 194, 68); box-shadow:4px 4px 4px 4px rgb(169, 194, 68) }
```

Background

The CSS property to change the background color of an element to XYZ 36.6974, 47.4359, 12.6907 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 194, 68) }
```

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

```
.background{ background-color: rgb(169,  
194, 68) }
```

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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