

Converting Colors

XYZ(32.0697, 47.0907, 12.9979)

Have a look what the booklet for
XYZ(32.0697, 47.0907, 12.9979)
contains.

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Color

**XYZ(32.0450, 47.0566,
13.0241)**

Conversions

Conversions Part 1

Format	Color
Hex	89C845
RGB	137, 200, 69
RGB Percent	54%, 78%, 27%
CMY	0.4627, 0.2157, 0.7294
CMYK	0.32, 0.00, 0.65, 0.22
HSL	89°, 54%, 53%
HSV	89°, 65%, 78%
XYZ	32.0450, 47.0566, 13.0241
YIQ	166.2290, 4.5030, -54.0970

Conversions

Conversions Part 2

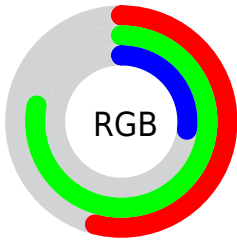
Format	Color
RYB	69, 200, 132
Decimal	9029701
CIELab	74.23, -40.91, 57.02
CIELCh	74, 70.175, 125.656
Yxy	47.0566, 0.3478, 0.5108
Android (android.graphics.Color)	4287219781 (0xFF89C845)
YUV	166.2290, -47.9339, -25.6338
Hunter-Lab	68.5978, -36.6611, 36.7616

Details

The XYZ color **32.0450, 47.0566, 13.0241** 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 **22.0713, 13.3333, 56.0566**, and the grayscale version is **36.5808, 38.4859, 41.9111**.

A 20% lighter version of the original color is **61.5833, 84.4194, 31.7877**, and **13.6777, 22.3093, 3.6140** is the 20% darker color. If you saturate the color by 10%, you get **30.0190, 46.0737, 10.2171**, and if you desaturate by 10%, it is **34.4231, 48.1998, 16.9414**.

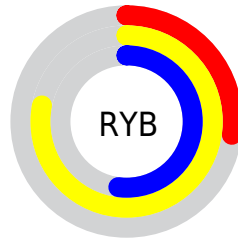
Distribution



Red (54%)

Green (78%)

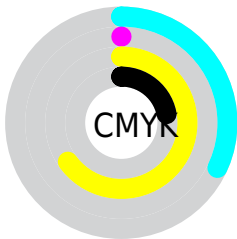
Blue (27%)



Red (27%)

Yellow (78%)

Blue (52%)

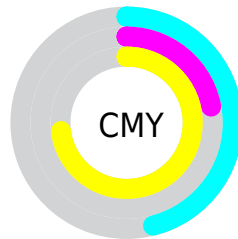


Cyan (32%)

Magenta (0%)

Yellow (65%)

Black (22%)



Cyan (46%)

Magenta (22%)

Yellow (73%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 32.0450, 47.0566, 13.0241 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 32.0450, 47.0566, 13.0241 by changing the saturation by 10% instead.

■ 32.0450, 47.0566,
13.0241

■ 32.0450, 47.0566,
13.0241

303.0658,
375.0404, 222.2853

■ 21.5516, 33.0804,
7.3142

■ 62.2463, 85.7981,
32.0389

■ 13.6425, 22.1880,
3.5780

■ 82.6850, 111.3322,
46.1809

■ 7.9525, 13.9951,
1.3968

■ 107.1694,
141.4877, 63.9707

■ 4.1161, 8.1173,
0.1392

■ 136.0650,
176.6490, 85.8268

■ 1.7680, 4.1701,
0.0000

■ 169.7371,
217.2006, 112.1678

■ 0.4983, 1.7692,
0.0000

208.5510,

■ 0.0000, 0.4678,

263.5267, 143.4122

0.0000

252.8721,
316.0119, 179.9785

■ 0.0000, 0.0000,
0.0000

■ 32.0450, 47.0566,
13.0241

■ 32.0450, 47.0566,
13.0241

■ 30.0190, 46.0737,
10.2171

■ 34.4231, 48.1998,
16.9414

■ 28.3160, 45.2342,
8.4013

■ 37.1723, 49.5065,
22.0659

■ 26.9063, 44.5274,
7.4351

■ 40.3141, 50.9873,
28.4875

■ 26.3425, 44.2424,
7.1513

■ 43.8670, 52.6499,
36.2866

■ 47.8480, 54.5016,
45.5372

■ 52.2734, 56.5492,
56.3079

■ 57.1584, 58.7990,
68.6630

■ 62.5172, 61.2573,
82.6631

■ 68.3636, 63.9297,
98.3656

Harmonies

Analogous

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



42.3817, 47.0566, 8.5753



32.0450, 47.0566, 13.0241



26.0949, 47.0566, 27.6398

Triad

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



32.0450, 47.0566, 13.0241



35.4697, 47.0566, 143.9327



73.4046, 47.0566, 44.7017

Complementary

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



32.0450, 47.0566, 13.0241



22.0713, 13.3333, 56.0566

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.



70.6097, 47.0566, 85.4631



32.0450, 47.0566, 13.0241



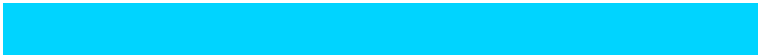
47.1549, 47.0566, 155.8489

Square

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



32.0450, 47.0566, 13.0241



27.7968, 47.0566, 103.2165



60.3758, 47.0566, 130.7505



67.4234, 47.0566, 20.5142

Rectangle

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



32.0450, 47.0566, 13.0241



24.6673, 47.0566, 46.1624



60.3758, 47.0566, 130.7505



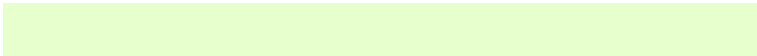
73.4718, 47.0566, 56.6697

Sweetspot

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



32.0461, 47.0587, 13.0251



79.4438, 92.7808, 70.8481



32.8958, 28.7116, 9.4390



16.5893, 19.6658, 14.2064



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.



32.0461, 47.0587, 13.0251



50.5381, 79.0627, 16.0319



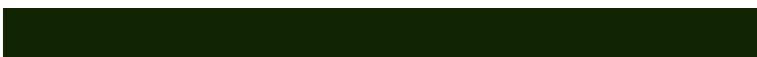
24.5054, 43.1713, 12.6722



11.0138, 12.1541, 11.3282



16.8527, 28.1832, 4.5517



0.8813, 1.3774, 0.2194

Inverse Universe

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



22.0713, 13.3333, 56.0566



32.0066, 16.3422, 96.0752



35.2250, 20.1143, 56.6721



10.5339, 10.5335, 13.3955



9.8111, 4.2920, 35.0557



0.5481, 0.2463, 1.6638

Previews

White Background



This preview shows how the XYZ color 32.0450, 47.0566, 13.0241 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 32.0450, 47.0566, 13.0241 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 32.0450, 47.0566, 13.0241

Background



This preview shows how black text looks on a background with the XYZ color 32.0450, 47.0566, 13.0241.



This preview shows how white text looks on a background with the XYZ color 32.0450, 47.0566, 13.0241.

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

32.0450, 47.0566, 13.0241

Protanopia

42.2820, 46.5226, 11.6017

Deuteranopia

47.3701, 46.4448, 13.6758



Tritanopia

41.9486, 46.7735, 62.6944

Trichromacy



Original Color

32.0450, 47.0566, 13.0241

Protanomaly

37.7714, 46.3722, 12.1142

Deuteranomaly

40.1958, 45.7124, 13.3614

Tritanomaly

36.8951, 46.3283, 37.5695

Monochromacy



Original Color

32.0450, 47.0566, 13.0241

Achromatopsia

36.2450, 38.1326, 41.5264

Achromatomaly

33.5347, 40.4480, 27.5125

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.0450, 47.0566, 13.0241 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(137, 200, 69)` looks like.

```
.text, #text, p{  
    color:rgb(137, 200, 69)  
}
```

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(137, 200, 69) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 200, 69) }
```

Border

The CSS property to change the border of an element to XYZ 32.0450, 47.0566, 13.0241 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(137, 200, 69) }
```


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

```
.border{ border-color:rgb(137, 200, 69) }
```

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

Here you see how a box with a 4 pixel rgb(137, 200, 69) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 200, 69); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 200, 69);  
box-shadow:4px 4px 4px 4px rgb(137, 200,  
69) }
```

Background

The CSS property to change the background color of an element to XYZ 32.0450, 47.0566, 13.0241 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 200, 69) }
```

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

```
.background{ background-color: rgb(137,  
200, 69) }
```

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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