

Converting Colors

XYZ(27.8553, 36.5297, 13.4541)

Have a look what the booklet for
XYZ(27.8553, 36.5297, 13.4541)
contains.

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Color

**XYZ(27.9489, 36.7058,
13.3964)**

Conversions

Conversions Part 1

Format	Color
Hex	8FAE51
RGB	143, 174, 81
RGB Percent	56%, 68%, 32%
CMY	0.4392, 0.3176, 0.6823
CMYK	0.18, 0.00, 0.53, 0.32
HSL	80°, 36%, 50%
HSV	80°, 53%, 68%
XYZ	27.9489, 36.7058, 13.3964
YIQ	154.1290, 11.3770, -35.4950

Conversions

Conversions Part 2

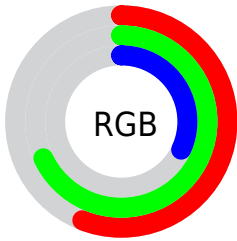
Format	Color
RYB	81, 174, 112
Decimal	9416273
CIELab	67.06, -25.51, 43.73
CIELCh	67, 50.623, 120.258
Yxy	36.7058, 0.3581, 0.4703
Android (android.graphics.Color)	4287606353 (0xFF8FAE51)
YUV	154.1290, -36.0526, -9.7601
Hunter-Lab	60.5853, -23.6796, 29.2997

Details

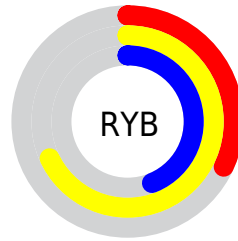
The XYZ color **27.9489, 36.7058, 13.3964** is a dark color, and the websafe version is hex **99CC66**. A complement of this color would be **17.2660, 12.3866, 41.5273**, and the grayscale version is **30.9225, 32.5329, 35.4283**.

A 20% lighter version of the original color is **55.8192, 70.2929, 32.8162**, and **11.2882, 15.9421, 3.7105** is the 20% darker color. If you saturate the color by 10%, you get **26.4001, 35.9745, 10.3437**, and if you desaturate by 10%, it is **29.7186, 37.5340, 17.3337**.

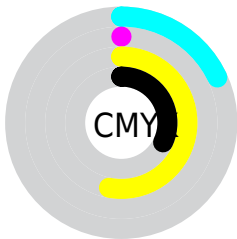
Distribution



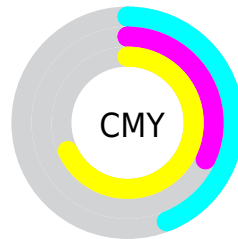
- Red (56%)
- Green (68%)
- Blue (32%)



- Red (32%)
- Yellow (68%)
- Blue (44%)



- Cyan (18%)
- Magenta (0%)
- Yellow (53%)
- Black (32%)



- Cyan (44%)
- Magenta (32%)
- Yellow (68%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.9489, 36.7058, 13.3964 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 27.9489, 36.7058, 13.3964 by changing the saturation by 10% instead.

■ 27.9489, 36.7058,
13.3964

■ 27.9489, 36.7058,
13.3964

284.3072,
332.0350, 224.7391

■ 18.4274, 24.9798,
7.5681

■ 55.8121, 70.1201,
32.7157

■ 11.3588, 16.0620,
3.7361

■ 74.8844, 92.5771,
47.0438

■ 6.3778, 9.5680,
1.4817

■ 97.8711, 119.3800,
65.0423

■ 3.1190, 5.1135,
0.2042

■ 125.1375,
150.9130, 87.1297

■ 1.2170, 2.3140,
0.0000

■ 157.0490,
187.5606, 113.7245

■ 0.1197, 0.7811,
0.0000

193.9708,

■ 0.0000, 0.0000,

229.7073, 145.2453

0.0000

236.2684,
277.7373, 182.1107

■ 27.9489, 36.7058,
13.3964

■ 27.9489, 36.7058,
13.3964

■ 26.4001, 35.9745,
10.3437

■ 29.7186, 37.5340,
17.3337

■ 25.0558, 35.3297,
8.1044

■ 31.7190, 38.4593,
22.2147

■ 23.9011, 34.7665,
6.6004

■ 33.9623, 39.4879,
28.0961

■ 22.9171, 34.2773,
5.7372

■ 36.4592, 40.6242,
35.0295

■ 22.3387, 33.9864,
5.3827

■ 39.2193, 41.8721,
43.0630

■ 42.2520, 43.2355,
52.2417

■ 45.5660, 44.7179,
62.6082

■ 49.1697, 46.3228,
74.2027

■ 53.0710, 48.0534,
87.0639

Harmonies

Analogous

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



34.8212, 36.7058, 10.7989



27.9489, 36.7058, 13.3964



23.5506, 36.7058, 22.4111

Triad

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



27.9489, 36.7058, 13.3964



28.0486, 36.7058, 89.2208



51.8790, 36.7058, 39.7758

Complementary

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



27.9489, 36.7058, 13.3964



17.2660, 12.3866, 41.5273

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.



49.3804, 36.7058, 64.8971



27.9489, 36.7058, 13.3964



34.9545, 36.7058, 99.1012

Square

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



27.9489, 36.7058, 13.3964



23.6019, 36.7058, 65.3549



42.8894, 36.7058, 88.8952



49.2964, 36.7058, 22.1870

Rectangle

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



27.9489, 36.7058, 13.3964



22.2397, 36.7058, 33.2147



42.8894, 36.7058, 88.8952



51.6016, 36.7058, 47.5761

Sweetspot

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



27.9498, 36.7074, 13.3972



64.7983, 73.0800, 59.7722



24.7363, 21.1823, 10.5699



14.1972, 16.1496, 12.7127



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



27.9498, 36.7074, 13.3972



47.4486, 65.0430, 17.9771



21.4991, 33.3820, 13.0953



8.3993, 9.1944, 8.5454



16.2664, 24.6827, 3.9069



0.5073, 0.7149, 0.1113

Inverse Universe

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



17.2660, 12.3866, 41.5273



26.0781, 16.2887, 74.4064



24.7829, 16.2617, 41.8791



7.8211, 7.8821, 10.0619



6.8644, 2.8986, 29.2422



0.2499, 0.1110, 0.8162

Previews

White Background



This preview shows how the XYZ color 27.9489, 36.7058, 13.3964 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 27.9489, 36.7058, 13.3964 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 27.9489, 36.7058, 13.3964

Background



This preview shows how black text looks on a background with the XYZ color 27.9489, 36.7058, 13.3964.



This preview shows how white text looks on a background with the XYZ color 27.9489, 36.7058,

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

27.9489, 36.7058, 13.3964

Protanopia

33.2591, 36.4335, 12.3006

Deuteranopia

37.2205, 36.3939, 13.8671



Tritanopia

34.7288, 36.6938, 46.8472

Trichromacy



Original Color

27.9489, 36.7058, 13.3964

Protanomaly

31.1302, 36.4030, 12.5935

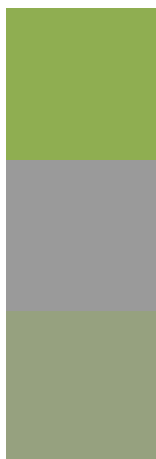
Deuteranomaly

33.1110, 36.0645, 13.6035

Tritanomaly

31.6476, 36.5376, 30.9756

Monochromacy



Original Color

27.9489, 36.7058, 13.3964

Achromatopsia

30.7148, 32.3143, 35.1903

Achromatomaly

29.1533, 33.5061, 25.0094

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.9489, 36.7058, 13.3964 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, 174, 81)` looks like.

```
.text, #text, p{  
    color:rgb(143, 174, 81)  
}
```

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, 174, 81) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(143, 174, 81) }
```

Border

The CSS property to change the border of an element to XYZ 27.9489, 36.7058, 13.3964 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, 174, 81) }
```


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

```
.border{ border-color:rgb(143, 174, 81) }
```

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

Here you see how a box with a 4 pixel `rgb(143, 174, 81)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(143, 174, 81); -webkit-box-  
shadow:4px 4px 4px 4px rgb(143, 174, 81);  
box-shadow:4px 4px 4px 4px rgb(143, 174,  
81) }
```

Background

The CSS property to change the background color of an element to XYZ 27.9489, 36.7058, 13.3964 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(143, 174, 81) }
```

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

```
.background{ background-color: rgb(143,  
174, 81) }
```

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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