

Converting Colors

XYZ(27.8496, 36.1870, 15.1197)

Have a look what the booklet for
XYZ(27.8496, 36.1870, 15.1197)
contains.

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Color

**XYZ(27.9444, 36.3761,
15.2213)**

Conversions

Conversions Part 1

Format	Color
Hex	8EAD5A
RGB	142, 173, 90
RGB Percent	56%, 68%, 35%
CMY	0.4431, 0.3216, 0.6471
CMYK	0.18, 0.00, 0.48, 0.32
HSL	82°, 34%, 52%
HSV	82°, 48%, 68%
XYZ	27.9444, 36.3761, 15.2213
YIQ	154.2690, 8.1670, -32.3850

Conversions

Conversions Part 2

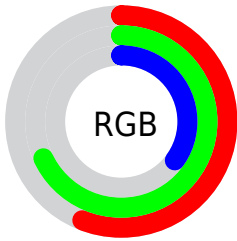
Format	Color
RYB	90, 173, 121
Decimal	9350490
CIELab	66.81, -24.45, 38.97
CIELCh	67, 46.006, 122.106
Yxy	36.3761, 0.3513, 0.4573
Android (android.graphics.Color)	4287540570 (0xFF8EAD5A)
YUV	154.2690, -31.6846, -10.7599
Hunter-Lab	60.3126, -22.8434, 27.2556

Details

The XYZ color **27.9444, 36.3761, 15.2213** is a dark color, and the websafe version is hex **99CC66**. A complement of this color would be **19.0855, 14.3954, 41.3098**, and the grayscale version is **30.9666, 32.5793, 35.4789**.

A 20% lighter version of the original color is **55.9278, 69.8619, 36.1282**, and **11.4541, 16.0085, 4.5841** is the 20% darker color. If you saturate the color by 10%, you get **26.2156, 35.5614, 11.7340**, and if you desaturate by 10%, it is **29.9107, 37.2957, 19.6159**.

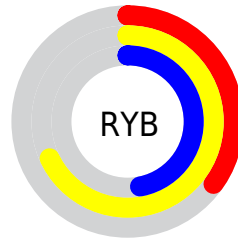
Distribution



Red (56%)

Green (68%)

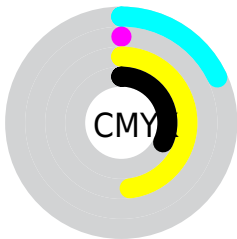
Blue (35%)



Red (35%)

Yellow (68%)

Blue (47%)

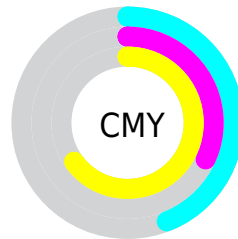


Cyan (18%)

Magenta (0%)

Yellow (48%)

Black (32%)



Cyan (44%)

Magenta (32%)

Yellow (65%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.9444, 36.3761, 15.2213 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 27.9444, 36.3761, 15.2213 by changing the saturation by 10% instead.

■ 27.9444, 36.3761,
15.2213

■ 27.9444, 36.3761,
15.2213

284.2860,
330.6014, 236.3885

■ 18.4240, 24.7248,
8.8265

■ 55.8049, 69.6122,
35.9887

■ 11.3563, 15.8721,
4.5329

■ 74.8758, 91.9657,
51.1984

■ 6.3761, 9.4337,
1.9220

■ 97.8608, 118.6555,
70.1835

■ 3.1179, 5.0252,
0.5067

■ 125.1253,
150.0659, 93.3625

■ 1.2164, 2.2620,
0.0000

157.0348,
186.5813, 121.1540

■ 0.1193, 0.7535,
0.0000

193.9545,

■ 0.0000, 0.0000,

228.5861, 153.9764

0.0000

236.2498,
276.4647, 192.2485

■ 27.9444, 36.3761,
15.2213

■ 27.9444, 36.3761,
15.2213

■ 26.2156, 35.5614,
11.7340

■ 29.9107, 37.2957,
19.6159

■ 24.7084, 34.8414,
9.0879

■ 32.1238, 38.3203,
24.9728

■ 23.4090, 34.2118,
7.2120


■ 34.5956, 39.4561,
31.3456


■ 22.3005, 33.6655,
6.0225


■ 37.3364, 40.7072,
38.7831


■ 21.3553, 33.1914,
5.3816


■ 40.3558, 42.0777,
47.3312

 21.1752, 33.1008,
5.2730

 43.6630, 43.5713,
57.0328

 47.2666, 45.1916,
67.9287

 51.1750, 46.9421,
80.0577

 55.3960, 48.8259,
93.4569

Harmonies

Analogous

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



34.0855, 36.3761, 12.3430



27.9444, 36.3761, 15.2213



24.0532, 36.3761, 24.2589

Triad

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



27.9444, 36.3761, 15.2213



28.6892, 36.3761, 84.0006



49.7297, 36.3761, 38.2171

Complementary

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



27.9444, 36.3761, 15.2213



19.0855, 14.3954, 41.3098

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.



47.7877, 36.3761, 60.3570



27.9444, 36.3761, 15.2213



35.0680, 36.3761, 91.5151

Square

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



27.9444, 36.3761, 15.2213



24.4410, 36.3761, 63.6417



42.1779, 36.3761, 81.6996



47.1808, 36.3761, 22.5436

Rectangle

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



27.9444, 36.3761, 15.2213



22.9504, 36.3761, 34.5778



42.1779, 36.3761, 81.6996



49.5799, 36.3761, 45.1025

Sweetspot

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



27.9453, 36.3777, 15.2221



63.7307, 71.4722, 60.8793



25.8491, 23.1610, 12.7815



13.6322, 15.4329, 12.6456



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



27.9453, 36.3777, 15.2221



46.6506, 63.5442, 20.4546



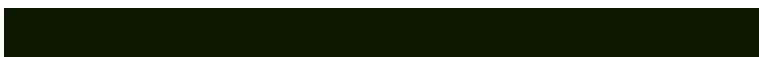
22.1645, 33.3976, 14.9515



8.3683, 9.1785, 8.5439



15.6203, 24.3496, 3.8767



0.4924, 0.7072, 0.1106

Inverse Universe

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



19.0855, 14.3954, 41.3098



28.8378, 19.2806, 73.0074



26.0871, 18.0048, 41.6375



7.8510, 7.8975, 10.0633



7.1833, 3.0630, 29.2571



0.2615, 0.1170, 0.8168

Previews

White Background



This preview shows how the XYZ color 27.9444, 36.3761, 15.2213 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 27.9444, 36.3761, 15.2213 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 27.9444, 36.3761, 15.2213

Background



This preview shows how black text looks on a background with the XYZ color 27.9444, 36.3761, 15.2213.



This preview shows how white text looks on a background with the XYZ color 27.9444, 36.3761,

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

27.9444, 36.3761, 15.2213

Protanopia

33.1905, 36.0963, 14.0220

Deuteranopia

36.7677, 36.1212, 15.6239



Tritanopia

34.0705, 36.1013, 46.2468

Trichromacy



Original Color

27.9444, 36.3761, 15.2213

Protanomaly

31.0824, 36.0675, 14.3403

Deuteranomaly

33.0276, 35.9781, 15.5597

Tritanomaly

31.3240, 36.0713, 32.0996

Monochromacy



Original Color

27.9444, 36.3761, 15.2213

Achromatopsia

30.7148, 32.3143, 35.1903

Achromatomaly

29.4193, 33.6125, 26.4100

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.9444, 36.3761, 15.2213 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(142, 173, 90)` looks like.

```
.text, #text, p{  
    color:rgb(142, 173, 90)  
}
```

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(142, 173, 90) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(142, 173, 90) }
```

Border

The CSS property to change the border of an element to XYZ 27.9444, 36.3761, 15.2213 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(142, 173, 90) }
```


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

```
.border{ border-color:rgb(142, 173, 90) }
```

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

Here you see how a box with a 4 pixel `rgb(142, 173, 90)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(142, 173, 90); -webkit-box-  
shadow:4px 4px 4px 4px rgb(142, 173, 90);  
box-shadow:4px 4px 4px 4px rgb(142, 173,  
90) }
```

Background

The CSS property to change the background color of an element to XYZ 27.9444, 36.3761, 15.2213 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(142, 173, 90) }
```

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

```
.background{ background-color: rgb(142,  
173, 90) }
```

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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