

Converting Colors

XYZ(28.7627, 36.6688, 16.2694)

Have a look what the booklet for
XYZ(28.7627, 36.6688, 16.2694)
contains.

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Color

**XYZ(28.8632, 36.8244,
16.4130)**

Conversions

Conversions Part 1

Format	Color
Hex	92AD5F
RGB	146, 173, 95
RGB Percent	57%, 68%, 37%
CMY	0.4275, 0.3216, 0.6274
CMYK	0.16, 0.00, 0.45, 0.32
HSL	81°, 32%, 53%
HSV	81°, 45%, 68%
XYZ	28.8632, 36.8244, 16.4130
YIQ	156.0350, 8.9460, -29.9820

Conversions

Conversions Part 2

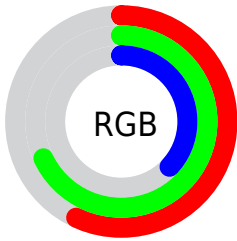
Format	Color
RYB	95, 173, 122
Decimal	9612639
CIELab	67.15, -22.31, 36.91
CIElCh	67, 43.130, 121.145
Yxy	36.8244, 0.3516, 0.4485
Android (android.graphics.Color)	4287802719 (0xFF92AD5F)
YUV	156.0350, -30.0903, -8.8007
Hunter-Lab	60.6831, -21.2940, 26.4420

Details

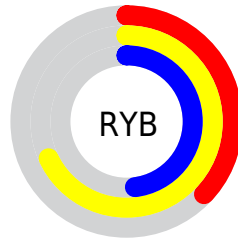
The XYZ color **28.8632, 36.8244, 16.4130** is a dark color, and the websafe version is hex **99CC66**. A complement of this color would be **19.6626, 15.3401, 41.4619**, and the grayscale version is **31.7437, 33.3968, 36.3691**.

A 20% lighter version of the original color is **57.3732, 70.5627, 38.1998**, and **11.9466, 16.2517, 5.0920** is the 20% darker color. If you saturate the color by 10%, you get **27.1259, 36.0109, 12.6729**, and if you desaturate by 10%, it is **30.8328, 37.7398, 21.0771**.

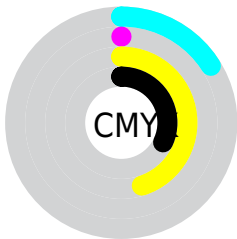
Distribution



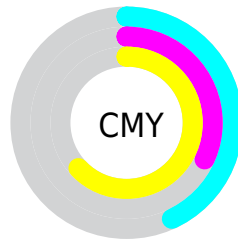
- Red (57%)
- Green (68%)
- Blue (37%)



- Red (37%)
- Yellow (68%)
- Blue (48%)



- Cyan (16%)
- Magenta (0%)
- Yellow (45%)
- Black (32%)





- Cyan (43%)
- Magenta (32%)
- Yellow (63%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 28.8632, 36.8244, 16.4130 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 28.8632, 36.8244, 16.4130 by changing the saturation by 10% instead.


 28.8632, 36.8244,
16.4130


 28.8632, 36.8244,
16.4130


288.5748,
332.5496, 243.6949


 19.1211, 25.0716,
9.6594


 57.2587, 70.3026,
38.0904


 11.8624, 16.1304,
5.0711


 76.6429, 92.7968,
53.8513

 6.7215, 9.6165,
2.2295


 99.9718, 119.6402,
73.4517

 3.3334, 5.1454,
0.6913

 127.6108,
151.2173, 97.3101

 1.3324, 2.3328,
0.0000

159.9252,
187.9123, 125.8451

 0.2073, 0.7910,
0.0000

197.2805,

 0.0000, 0.0000,

230.1098, 159.4752

0.0000

240.0419,
278.1941, 198.6190

■ 28.8632, 36.8244,
16.4130

■ 28.8632, 36.8244,
16.4130

■ 27.1259, 36.0109,
12.6729

■ 30.8328, 37.7398,
21.0771

■ 25.6056, 35.2894,
9.7928

■ 33.0434, 38.7568,
26.7188

■ 24.2892, 34.6556,
7.7042


■ 35.5065, 39.8815,
33.3905


■ 23.1607, 34.1031,
6.3275


■ 38.2320, 41.1178,
41.1400

■ 22.2005, 33.6241,
5.5641


■ 41.2292, 42.4696,
50.0122

 21.7687, 33.4068,
5.3008

 44.5069, 43.9406,
60.0495

 48.0734, 45.5340,
71.2921

 51.9367, 47.2533,
83.7782

 56.1045, 49.1015,
97.5444

Harmonies

Analogous

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



34.7486, 36.8244, 13.7054



28.8632, 36.8244, 16.4130



25.0585, 36.8244, 25.0435

Triad

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



28.8632, 36.8244, 16.4130



29.2495, 36.8244, 80.8783



49.2156, 36.8244, 39.3767

Complementary

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



28.8632, 36.8244, 16.4130



19.6626, 15.3401, 41.4619

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.



47.2756, 36.8244, 60.2192



28.8632, 36.8244, 16.4130



35.2536, 36.8244, 88.2535

Square

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



28.8632, 36.8244, 16.4130



25.2611, 36.8244, 61.8768



41.9514, 36.8244, 79.7293



46.9678, 36.8244, 24.1394

Rectangle

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



28.8632, 36.8244, 16.4130



23.9405, 36.8244, 34.7786



41.9514, 36.8244, 79.7293



49.0299, 36.8244, 45.9284

Sweetspot

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



28.8641, 36.8260, 16.4138



63.9799, 71.6007, 60.8909



26.1379, 23.3864, 13.9634



13.6937, 15.4646, 12.6484



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.



28.8641, 36.8260, 16.4138



48.6204, 64.5102, 22.7801



23.1947, 33.9033, 16.1485



8.3894, 9.1893, 8.5449



16.0547, 24.5736, 3.8970



0.5025, 0.7124, 0.1110

Inverse Universe

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



19.6626, 15.3401, 41.4619



30.0893, 21.1843, 73.3089



26.1336, 18.6761, 41.7648



7.8306, 7.8870, 10.0623



6.9619, 2.9489, 29.2468



0.2536, 0.1129, 0.8164

Previews

White Background



This preview shows how the XYZ color 28.8632, 36.8244, 16.4130 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 28.8632, 36.8244, 16.4130 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 28.8632, 36.8244, 16.4130

Background



This preview shows how black text looks on a background with the XYZ color 28.8632, 36.8244, 16.4130.



This preview shows how white text looks on a background with the XYZ color 28.8632, 36.8244,

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

28.8632, 36.8244, 16.4130

Protanopia

33.5759, 36.5334, 15.1795

Deuteranopia

37.4293, 36.6836, 16.9123



Tritanopia

35.1159, 36.8933, 46.8653

Trichromacy



Original Color

28.8632, 36.8244, 16.4130

Protanomaly

31.6868, 36.6256, 15.5246

Deuteranomaly

33.7153, 36.3062, 16.7861

Tritanomaly

32.2220, 36.5163, 32.9538

Monochromacy



Original Color

28.8632, 36.8244, 16.4130

Achromatopsia

31.5995, 33.2452, 36.2040

Achromatomaly

30.1723, 34.2373, 27.5725

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.8632, 36.8244, 16.4130 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(146, 173, 95)` looks like.

```
.text, #text, p{  
    color:rgb(146, 173, 95)  
}
```

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(146, 173, 95) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(146, 173, 95) }
```

Border

The CSS property to change the border of an element to XYZ 28.8632, 36.8244, 16.4130 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(146, 173, 95) }
```


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

```
.border{ border-color:rgb(146, 173, 95) }
```

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

Here you see how a box with a 4 pixel rgb(146, 173, 95) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(146, 173, 95); -webkit-box-  
shadow:4px 4px 4px 4px rgb(146, 173, 95);  
box-shadow:4px 4px 4px 4px rgb(146, 173,  
95) }
```

Background

The CSS property to change the background color of an element to XYZ 28.8632, 36.8244, 16.4130 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(146, 173, 95) }
```

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

```
.background{ background-color: rgb(146,  
173, 95) }
```

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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