

Converting Colors

XYZ(27.8117, 38.3392, 16.2899)

Have a look what the booklet for
XYZ(27.8117, 38.3392, 16.2899)
contains.

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Color

**XYZ(27.8128, 38.3384,
16.2901)**

Conversions

Conversions Part 1

Format	Color
Hex	84B45D
RGB	132, 180, 93
RGB Percent	52%, 71%, 36%
CMY	0.4824, 0.2941, 0.6353
CMYK	0.27, 0.00, 0.48, 0.29
HSL	93°, 37%, 54%
HSV	93°, 48%, 71%
XYZ	27.8128, 38.3384, 16.2901
YIQ	155.7300, -0.6810, -37.2330

Conversions

Conversions Part 2

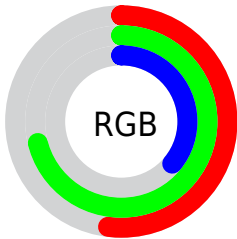
Format	Color
RYB	93, 180, 141
Decimal	8696925
CIELab	68.27, -31.28, 39.12
CIELCh	68, 50.087, 128.647
Yxy	38.3384, 0.3374, 0.4650
Android (android.graphics.Color)	4286887005 (0xFF84B45D)
YUV	155.7300, -30.9259, -20.8112
Hunter-Lab	61.9180, -28.1765, 27.7439

Details

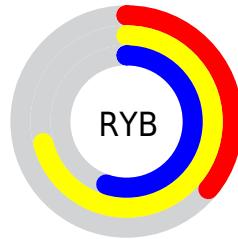
The XYZ color **27.8128, 38.3384, 16.2901** is a dark color, and the websafe version is hex **99CC66**. A complement of this color would be **23.1388, 16.7878, 45.2030**, and the grayscale version is **31.6141, 33.2605, 36.2207**.

A 20% lighter version of the original color is **55.5998, 72.6000, 37.8709**, and **11.3337, 17.0586, 4.9808** is the 20% darker color. If you saturate the color by 10%, you get **25.6279, 37.2948, 12.5049**, and if you desaturate by 10%, it is **30.3352, 39.5367, 21.0723**.

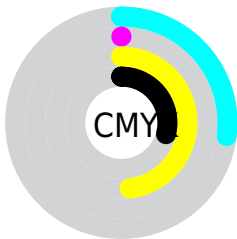
Distribution



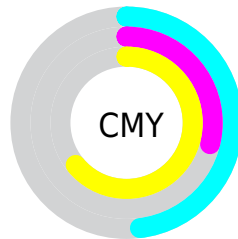
- Red (52%)
- Green (71%)
- Blue (36%)



- Red (36%)
- Yellow (71%)
- Blue (55%)



- Cyan (27%)
- Magenta (0%)
- Yellow (48%)
- Black (29%)





- Cyan (48%)
- Magenta (29%)
- Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 27.8128, 38.3384, 16.2901 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 27.8128, 38.3384, 16.2901 by changing the saturation by 10% instead.


 27.8128, 38.3384,
16.2901


 27.8128, 38.3384,
16.2901


283.6676,
339.0694, 242.9514


 18.3243, 26.2454,
9.5731


 55.5962, 72.6265,
37.8749


 11.2842, 17.0073,
5.0150


 74.6218, 95.5905,
53.5797

 6.3270, 10.2397,
2.1971


 97.5571, 122.9469,
73.1176

 3.0875, 5.5582,
0.6727

 124.7676,
155.0801, 96.9071

 1.2002, 2.5783,
0.0000

156.6185,
192.3746, 125.3666

 0.1065, 0.9158,
0.0000

193.4753,

 0.0000, 0.0000,

235.2147, 158.9148

0.0000

235.7032,
283.9848, 197.9702

■ 27.8128, 38.3384,
16.2901

■ 27.8128, 38.3384,
16.2901

■ 25.6279, 37.2948,
12.5049

■ 30.3352, 39.5367,
21.0723

■ 23.7601, 36.3933,
9.6434

■ 33.2082, 40.8915,
26.9126

■ 22.1910, 35.6274,
7.6268


■ 36.4477, 42.4109,
33.8704


■ 20.8984, 34.9877,
6.3613

■ 40.0675, 44.1008,
41.9998


■ 19.8479, 34.4599,
5.6915


■ 44.0809, 45.9669,
51.3514

 19.6885, 34.3796,
5.5982

 48.5002, 48.0146,
61.9729

 53.3373, 50.2491,
73.9093

 58.6035, 52.6751,
87.2037

 64.3088, 55.2971,
101.8917

Harmonies

Analogous

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



34.2198, 38.3384, 11.9570



27.8128, 38.3384, 16.2901



24.1259, 38.3384, 27.9154

Triad

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



27.8128, 38.3384, 16.2901



31.2218, 38.3384, 96.2428



53.4663, 38.3384, 35.5839

Complementary

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



27.8128, 38.3384, 16.2901



23.1388, 16.7878, 45.2030

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.



52.3591, 38.3384, 59.5188



27.8128, 38.3384, 16.2901



38.7532, 38.3384, 100.6231

Square

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



27.8128, 38.3384, 16.2901



25.8888, 38.3384, 74.9265



46.6876, 38.3384, 85.3537



49.5259, 38.3384, 20.1706

Rectangle

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



27.8128, 38.3384, 16.2901



23.3515, 38.3384, 40.7330



46.6876, 38.3384, 85.3537



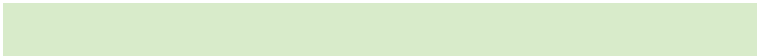
53.6824, 38.3384, 42.7716

Sweetspot

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



27.8137, 38.3401, 16.2909



68.6861, 78.1124, 67.1828



30.3025, 29.5007, 14.4536



14.5500, 16.7448, 13.8624



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



27.8137, 38.3401, 16.2909



46.2259, 67.5044, 22.2807



23.0107, 35.8411, 17.1009



8.7386, 9.6703, 9.0585



13.8159, 24.0324, 3.9105



0.5022, 0.7910, 0.1262

Inverse Universe

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



23.1388, 16.7878, 45.2030



36.7237, 23.7641, 80.9460



30.5402, 20.6538, 43.2720



8.4752, 8.4535, 10.6913



9.4435, 4.2041, 30.4507



0.3631, 0.1663, 0.9612

Previews

White Background



This preview shows how the XYZ color 27.8128, 38.3384, 16.2901 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 27.8128, 38.3384, 16.2901 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 27.8128, 38.3384, 16.2901

Background



This preview shows how black text looks on a background with the XYZ color 27.8128, 38.3384, 16.2901.



This preview shows how white text looks on a background with the XYZ color 27.8128, 38.3384,

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

27.8128, 38.3384, 16.2901

Protanopia

34.9261, 38.0443, 14.7350

Deuteranopia

38.5189, 37.7531, 16.8122



Tritanopia

34.5990, 38.1881, 50.3472

Trichromacy



Original Color

27.8128, 38.3384, 16.2901

Protanomaly

31.7182, 37.7565, 15.2889

Deuteranomaly

33.6520, 37.3471, 16.5014

Tritanomaly

31.4563, 38.0496, 34.5405

Monochromacy



Original Color

27.8128, 38.3384, 16.2901

Achromatopsia

31.5995, 33.2452, 36.2040

Achromatomaly

29.7214, 34.8068, 27.3422

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.8128, 38.3384, 16.2901 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(132, 180, 93)` looks like.

```
.text, #text, p{  
    color:rgb(132, 180, 93)  
}
```

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(132, 180, 93) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 180, 93) }
```

Border

The CSS property to change the border of an element to XYZ 27.8128, 38.3384, 16.2901 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(132, 180, 93) }
```


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

```
.border{ border-color:rgb(132, 180, 93) }
```

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

Here you see how a box with a 4 pixel `rgb(132, 180, 93)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(132, 180, 93); -webkit-box-  
shadow:4px 4px 4px 4px rgb(132, 180, 93);  
box-shadow:4px 4px 4px 4px rgb(132, 180,  
93) }
```

Background

The CSS property to change the background color of an element to XYZ 27.8128, 38.3384, 16.2901 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 180, 93) }
```

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

```
.background{ background-color: rgb(132,  
180, 93) }
```

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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