

Converting Colors

XYZ(27.4232, 38.3432, 12.5392)

Have a look what the booklet for
XYZ(27.4232, 38.3432, 12.5392)
contains.

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Color

**XYZ(27.4228, 38.2188,
12.5883)**

Conversions

Conversions Part 1

Format	Color
Hex	86B44B
RGB	134, 180, 75
RGB Percent	53%, 71%, 29%
CMY	0.4745, 0.2941, 0.7059
CMYK	0.26, 0.00, 0.58, 0.29
HSL	86°, 41%, 50%
HSV	86°, 58%, 71%
XYZ	27.4228, 38.2188, 12.5883
YIQ	154.2760, 6.2890, -42.4070

Conversions

Conversions Part 2

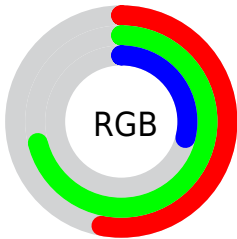
Format	Color
RYB	75, 180, 121
Decimal	8827979
CIELab	68.18, -32.46, 47.71
CIELCh	68, 57.705, 124.231
Yxy	38.2188, 0.3505, 0.4885
Android (android.graphics.Color)	4287018059 (0xFF86B44B)
YUV	154.2760, -39.0831, -17.7821
Hunter-Lab	61.8214, -29.0081, 31.2021

Details

The XYZ color **27.4228, 38.2188, 12.5883** is a dark color, and the websafe version is hex **99CC66**. A complement of this color would be **18.6411, 12.3935, 44.5918**, and the grayscale version is **31.0019, 32.6164, 35.5193**.

A 20% lighter version of the original color is **55.0614, 72.4704, 31.1648**, and **11.1181, 16.9822, 3.4014** is the 20% darker color. If you saturate the color by 10%, you get **25.6816, 37.3838, 9.7335**, and if you desaturate by 10%, it is **29.4339, 39.1752, 16.3670**.

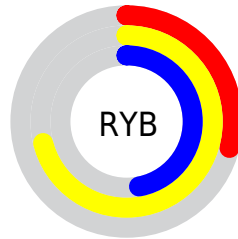
Distribution



Red (53%)

Green (71%)

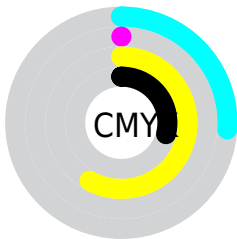
Blue (29%)



Red (29%)

Yellow (71%)

Blue (47%)

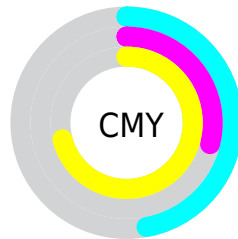


Cyan (26%)

Magenta (0%)

Yellow (58%)

Black (29%)



Cyan (47%)

Magenta (29%)

Yellow (71%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.4228, 38.2188, 12.5883 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 27.4228, 38.2188, 12.5883 by changing the saturation by 10% instead.

■ 27.4228, 38.2188,
12.5883

■ 27.4228, 38.2188,
12.5883

281.8288,
338.5576, 219.3764

■ 18.0292, 26.1525,
7.0183

■ 54.9767, 72.4434,
31.2424

■ 11.0708, 16.9378,
3.3949

■ 73.8677, 95.3705,
45.1636

■ 6.1821, 10.1902,
1.2996

■ 96.6553, 122.6867,
62.7056

■ 2.9978, 5.5252,
0.0615

■ 123.7048,
154.7764, 84.2869

■ 1.1526, 2.5586,
0.0000

■ 155.3816,
192.0239, 110.3261

■ 0.0685, 0.9059,
0.0000

192.0509,

■ 0.0000, 0.0000,

234.8137, 141.2417

0.0000

234.0782,
283.5301, 177.4523

■ 27.4228, 38.2188,
12.5883

■ 27.4228, 38.2188,
12.5883

■ 25.6816, 37.3838,
9.7335

■ 29.4339, 39.1752,
16.3670

■ 24.1904, 36.6581,
7.7204

■ 31.7275, 40.2544,
21.1378

■ 22.9303, 36.0351,
6.4565

■ 34.3185, 41.4638,
26.9650

■ 21.8696, 35.5021,
5.7861

■ 37.2198, 42.8088,
33.9070

■ 21.7045, 35.4188,
5.6926

■ 40.4435, 44.2945,
42.0179

■ 44.0008, 45.9256,
51.3483

■ 47.9027, 47.7065,
61.9456

■ 52.1591, 49.6416,
73.8550

■ 56.7800, 51.7350,
87.1192

Harmonies

Analogous

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



35.0621, 38.2188, 9.1469



27.4228, 38.2188, 12.5883



22.8469, 38.2188, 23.5503

Triad

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



27.4228, 38.2188, 12.5883



29.3002, 38.2188, 104.2264



56.4956, 38.2188, 38.0582

Complementary

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



27.4228, 38.2188, 12.5883



18.6411, 12.3935, 44.5918

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.



54.2752, 38.2188, 67.1367



27.4228, 38.2188, 12.5883



37.6195, 38.2188, 113.3332

Square

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



27.4228, 38.2188, 12.5883



23.7985, 38.2188, 76.2448



46.9732, 38.2188, 97.6176



52.6212, 38.2188, 19.4719

Rectangle

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



27.4228, 38.2188, 12.5883



21.6671, 38.2188, 36.8213



46.9732, 38.2188, 97.6176



56.4412, 38.2188, 46.8050

Sweetspot

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



27.4237, 38.2205, 12.5891



68.0653, 77.8864, 62.9089



26.8706, 23.7662, 9.8283



14.4755, 16.7250, 13.0174



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.



27.4237, 38.2205, 12.5891



45.7443, 67.3846, 16.4530



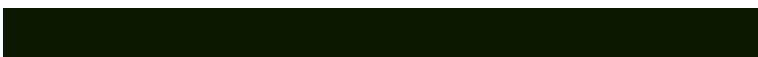
21.0721, 34.9461, 12.2919



8.8305, 9.7177, 9.0628



15.2259, 24.7593, 3.9765



0.5446, 0.8128, 0.1282

Inverse Universe

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



18.6411, 12.3935, 44.5918



28.3636, 16.1830, 79.9233



27.9893, 17.2127, 45.0293



8.3835, 8.4062, 10.6870



8.0668, 3.4944, 30.3863



0.3212, 0.1447, 0.9592

Previews

White Background



This preview shows how the XYZ color 27.4228, 38.2188, 12.5883 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 27.4228, 38.2188, 12.5883 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 27.4228, 38.2188, 12.5883

Background



This preview shows how black text looks on a background with the XYZ color 27.4228, 38.2188, 12.5883.



This preview shows how white text looks on a background with the XYZ color 27.4228, 38.2188,

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

27.4228, 38.2188, 12.5883

Protanopia

34.5407, 37.9177, 11.4596

Deuteranopia

38.6139, 37.8852, 13.0620



Tritanopia

34.8442, 38.0492, 49.7637

Trichromacy



Original Color

27.4228, 38.2188, 12.5883

Protanomaly

31.4585, 37.7007, 11.7498

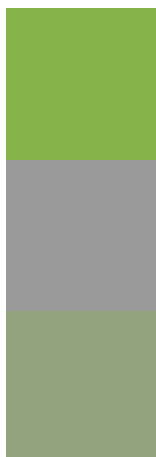
Deuteranomaly

33.6379, 37.4207, 12.8471

Tritanomaly

31.2292, 37.7100, 31.6194

Monochromacy



Original Color

27.4228, 38.2188, 12.5883

Achromatopsia

30.7148, 32.3143, 35.1903

Achromatomaly

28.8315, 33.8781, 24.4216

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.4228, 38.2188, 12.5883 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(134, 180, 75)` looks like.

```
.text, #text, p{  
    color:rgb(134, 180, 75)  
}
```

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(134, 180, 75) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(134, 180, 75) }
```

Border

The CSS property to change the border of an element to XYZ 27.4228, 38.2188, 12.5883 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(134, 180, 75) }
```


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

```
.border{ border-color:rgb(134, 180, 75) }
```

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

Here you see how a box with a 4 pixel `rgb(134, 180, 75)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(134, 180, 75); -webkit-box-  
shadow:4px 4px 4px 4px rgb(134, 180, 75);  
box-shadow:4px 4px 4px 4px rgb(134, 180,  
75) }
```

Background

The CSS property to change the background color of an element to XYZ 27.4228, 38.2188, 12.5883 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(134, 180, 75) }
```

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

```
.background{ background-color: rgb(134,  
180, 75) }
```

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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