

Converting Colors

XYZ(27.2664, 38.7171, 13.8206)

Have a look what the booklet for
XYZ(27.2664, 38.7171, 13.8206)
contains.

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Color

**XYZ(27.2664, 38.7171,
13.8206)**

Conversions

Conversions Part 1

Format	Color
Hex	81B651
RGB	129, 182, 81
RGB Percent	51%, 71%, 32%
CMY	0.4941, 0.2863, 0.6823
CMYK	0.29, 0.00, 0.55, 0.29
HSL	91°, 41%, 52%
HSV	91°, 55%, 71%
XYZ	27.2664, 38.7171, 13.8206
YIQ	154.6390, 0.8330, -42.6470

Conversions

Conversions Part 2

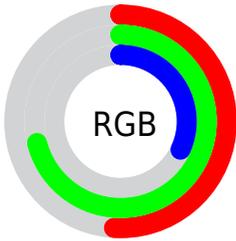
Format	Color
RYB	81, 182, 134
Decimal	8500817
CIELab	68.55, -34.66, 45.26
CIElCh	69, 57.004, 127.447
Yxy	38.7171, 0.3417, 0.4852
Android (android.graphics.Color)	4286690897 (0xFF81B651)
YUV	154.6390, -36.3040, -22.4854
Hunter-Lab	62.2231, -30.6709, 30.3870

Details

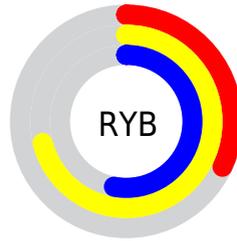
The XYZ color **27.2664, 38.7171, 13.8206** is a dark color, and the websafe version is hex **99CC66**. A complement of this color would be **21.2191, 14.3317, 45.9061**, and the grayscale version is **31.1521, 32.7744, 35.6913**.

A 20% lighter version of the original color is **54.5753, 73.0329, 33.4106**, and **11.0525, 17.3257, 3.9241** is the 20% darker color. If you saturate the color by 10%, you get **25.2899, 37.7680, 10.6307**, and if you desaturate by 10%, it is **29.5633, 39.8127, 17.9818**.

Distribution



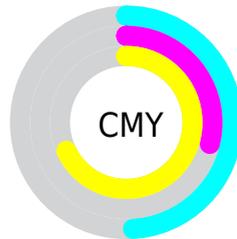
- Red (51%)
- Green (71%)
- Blue (32%)



- Red (32%)
- Yellow (71%)
- Blue (53%)



- Cyan (29%)
- Magenta (0%)
- Yellow (55%)
- Black (29%)



- Cyan (49%)
- Magenta (29%)
- Yellow (68%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.2664, 38.7171, 13.8206 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 27.2664, 38.7171, 13.8206 by changing the saturation by 10% instead.

 27.2664, 38.7171,
13.8206

 27.2664, 38.7171,
13.8206

281.0888,
340.6862, 227.5014

 17.9110, 26.5397,
7.8587

 54.7279, 73.2059,
33.4829

 10.9854, 17.2278,
3.9182

 73.5648, 96.2862,
48.0204

 6.1243, 10.3971,
1.5806

 96.2929, 123.7695,
66.2534

 2.9622, 5.6630,
0.2769

 123.2775,
156.0403, 88.6006

 1.1338, 2.6413,
0.0000

 154.8841,
193.4830, 115.4804

 0.0531, 0.9475,
0.0000

191.4779,

 0.0000, 0.0000,

236.4820, 147.3115

0.0000

233.4243,
285.4216, 184.5123

■ 27.2664, 38.7171,
13.8206

■ 27.2664, 38.7171,
13.8206

■ 25.2899, 37.7680,
10.6307

■ 29.5633, 39.8127,
17.9818

■ 23.6124, 36.9524,
8.3306

■ 32.1947, 41.0569,
23.1822

■ 22.2136, 36.2630,
6.8297

■ 35.1772, 42.4579,
29.4864

■ 21.0679, 35.6892,
6.0138

■ 38.5250, 44.0220,
36.9531

■ 20.6119, 35.4594,
5.7580

■ 42.2517, 45.7548,
45.6367

■ 46.3700, 47.6619,
55.5885

■ 50.8922, 49.7485,
66.8565

■ 55.8298, 52.0194,
79.4864

■ 61.1937, 54.4796,
93.5216

Harmonies

Analogous

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



34.6062, 38.7171, 9.6744



27.2664, 38.7171, 13.8206



23.0441, 38.7171, 25.8907

Triad

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



27.2664, 38.7171, 13.8206



30.5656, 38.7171, 106.3126



56.7159, 38.7171, 36.0655

Complementary

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



27.2664, 38.7171, 13.8206



21.2191, 14.3317, 45.9061

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.



55.1626, 38.7171, 64.1120



27.2664, 38.7171, 13.8206



39.0834, 38.7171, 112.6697

Square

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



27.2664, 38.7171, 13.8206



24.7215, 38.7171, 79.9447



48.3298, 38.7171, 94.8728



52.2826, 38.7171, 18.6685

Rectangle

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



27.2664, 38.7171, 13.8206



22.1031, 38.7171, 39.9917



48.3298, 38.7171, 94.8728



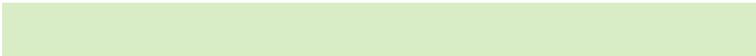
56.8876, 38.7171, 44.3977

Sweetspot

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



27.2673, 38.7188, 13.8214



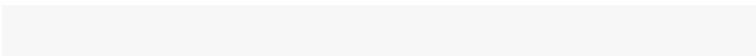
68.7036, 79.2768, 64.4048



29.1908, 27.3659, 11.5287



14.9003, 17.3818, 13.6071



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

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



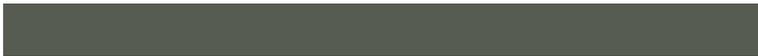
27.2673, 38.7188, 13.8214



44.9942, 68.0562, 18.0213



21.6716, 35.8267, 13.8932



9.2854, 10.2638, 9.5986



14.6309, 25.0788, 4.0696



0.5873, 0.9210, 0.1468

Inverse Universe

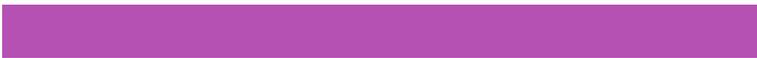
The Inverse Universe completely reimagines the original color for something new.



21.2191, 14.3317, 45.9061



32.8787, 19.2530, 82.2190



30.5059, 19.1392, 45.4379



8.9588, 8.9451, 11.3338



9.4103, 4.1624, 31.5605



0.4027, 0.1833, 1.1159

Previews

White Background



This preview shows how the XYZ color 27.2664, 38.7171, 13.8206 looks on a white background.

Color Contrast Check

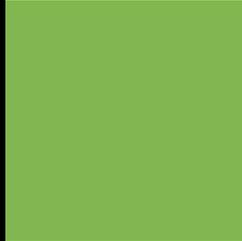
Large Text (above 18pt) WCAG AA × Fail

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 27.2664, 38.7171, 13.8206 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

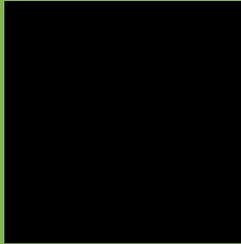
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 27.2664, 38.7171, 13.8206

Background



This preview shows how black text looks on a background with the XYZ color 27.2664, 38.7171, 13.8206.



This preview shows how white text looks on a background with the XYZ color 27.2664, 38.7171,

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

27.2664, 38.7171, 13.8206

Protanopia

35.1308, 38.4735, 12.4120

Deuteranopia

39.0203, 38.3218, 14.3571



Tritanopia

34.8215, 38.5579, 51.5061

Trichromacy



Original Color

27.2664, 38.7171, 13.8206

Protanomaly

31.6447, 38.0544, 12.8851

Deuteranomaly

33.5899, 37.6404, 14.0893

Tritanomaly

31.2439, 38.2555, 33.3411

Monochromacy



Original Color

27.2664, 38.7171, 13.8206

Achromatopsia

31.1553, 32.7778, 35.6950

Achromatomaly

29.2055, 34.5798, 25.5573

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.2664, 38.7171, 13.8206 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(129, 182, 81)` looks like.

```
.text, #text, p{  
    color:rgb(129, 182, 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(129, 182, 81) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 182, 81) }
```

Border

The CSS property to change the border of an element to XYZ 27.2664, 38.7171, 13.8206 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(129, 182, 81) }
```

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

```
.border{ border-color:rgb(129, 182, 81) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 182, 81)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 182, 81); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 182, 81);  
box-shadow:4px 4px 4px 4px rgb(129, 182,  
81) }
```

Background

The CSS property to change the background color of an element to XYZ 27.2664, 38.7171, 13.8206 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 182, 81) }
```

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

```
.background{ background-color: rgb(129,  
182, 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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