

Converting Colors

XYZ(27.2447, 37.8565, 11.5167)

Have a look what the booklet for
XYZ(27.2447, 37.8565, 11.5167)
contains.

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Color

**XYZ(27.1860, 37.8208,
11.4975)**

Conversions

Conversions Part 1

Format	Color
Hex	87B345
RGB	135, 179, 69
RGB Percent	53%, 70%, 27%
CMY	0.4706, 0.2980, 0.7294
CMYK	0.25, 0.00, 0.61, 0.30
HSL	84°, 44%, 49%
HSV	84°, 61%, 70%
XYZ	27.1860, 37.8208, 11.4975
YIQ	153.3040, 9.0860, -43.5380

Conversions

Conversions Part 2

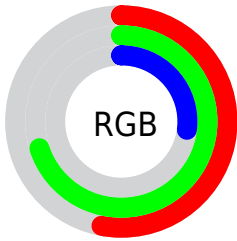
Format	Color
RYB	69, 179, 113
Decimal	8893253
CIELab	67.89, -32.15, 50.10
CIELCh	68, 59.532, 122.688
Yxy	37.8208, 0.3554, 0.4944
Android (android.graphics.Color)	4287083333 (0xFF87B345)
YUV	153.3040, -41.5619, -16.0526
Hunter-Lab	61.4986, -28.7151, 31.9644

Details

The XYZ color **27.1860, 37.8208, 11.4975** is a dark color, and the websafe version is hex **99CC66**. A complement of this color would be **17.0764, 11.0227, 43.8776**, and the grayscale version is **30.5845, 32.1773, 35.0411**.

A 20% lighter version of the original color is **54.6454, 71.8735, 29.0820**, and **10.9090, 16.6930, 2.9343** is the 20% darker color. If you saturate the color by 10%, you get **25.5987, 37.0585, 8.9477**, and if you desaturate by 10%, it is **29.0202, 38.6934, 14.9352**.

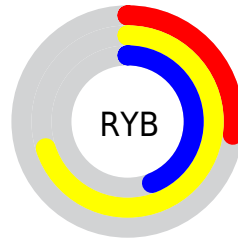
Distribution



Red (53%)

Green (70%)

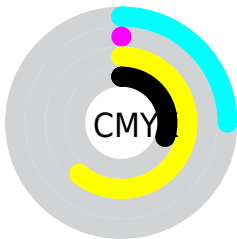
Blue (27%)



Red (27%)

Yellow (70%)

Blue (44%)

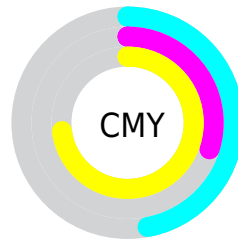


Cyan (25%)

Magenta (0%)

Yellow (61%)

Black (30%)



Cyan (47%)

Magenta (30%)

Yellow (73%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.1860, 37.8208, 11.4975 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 27.1860, 37.8208, 11.4975 by changing the saturation by 10% instead.

■ 27.1860, 37.8208,
11.4975

■ 27.1860, 37.8208,
11.4975

280.7077,
336.8506, 211.9081

■ 17.8503, 25.8436,
6.2842

■ 54.6000, 71.8334,
29.2271

■ 10.9416, 16.7067,
2.9471

■ 73.4089, 94.6376,
42.5805

■ 6.0946, 10.0256,
1.0677

■ 96.1064, 121.8196,
59.4842

■ 2.9439, 5.4159,
0.0000

■ 123.0576,
153.7638, 80.3569

■ 1.1242, 2.4933,
0.0000

■ 154.6280,
190.8547, 105.6171

■ 0.0452, 0.8733,
0.0000

191.1829,

■ 0.0000, 0.0000,

233.4765, 135.6834

0.0000

233.0877,
282.0137, 170.9742

■ 27.1860, 37.8208,
11.4975

■ 27.1860, 37.8208,
11.4975

■ 25.5987, 37.0585,
8.9477

■ 29.0202, 38.6934,
14.9352

■ 24.2385, 36.3946,
7.2011

■ 31.1139, 39.6776,
19.3305

■ 23.0862, 35.8224,
6.1609

■ 33.4814, 40.7807,
24.7488

■ 22.2321, 35.3923,
5.6596

■ 36.1356, 42.0078,
31.2492

■ 39.0880, 43.3638,
38.8861

■ 42.3496, 44.8533,
47.7106

■ 45.9308, 46.4806,
57.7702

■ 49.8414, 48.2496,
69.1102

■ 54.0908, 50.1644,
81.7734

Harmonies

Analogous

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



35.1213, 37.8208, 8.4084



27.1860, 37.8208, 11.4975



22.3670, 37.8208, 21.9777

Triad

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



27.1860, 37.8208, 11.4975



28.4007, 37.8208, 104.8985



56.7598, 37.8208, 38.8416

Complementary

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



27.1860, 37.8208, 11.4975



17.0764, 11.0227, 43.8776

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.



54.1436, 37.8208, 69.1958



27.1860, 37.8208, 11.4975



36.7866, 37.8208, 115.7194

Square

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



27.1860, 37.8208, 11.4975



22.9793, 37.8208, 75.1990



46.4143, 37.8208, 100.5135



53.0570, 37.8208, 19.3708

Rectangle

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



27.1860, 37.8208, 11.4975



21.0561, 37.8208, 35.0417



46.4143, 37.8208, 100.5135



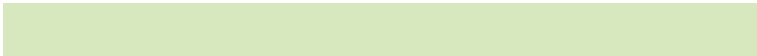
56.5907, 37.8208, 47.9973

Sweetspot

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



27.1869, 37.8225, 11.4983



66.3203, 75.9701, 60.0446



25.5712, 21.8250, 8.4956



14.3666, 16.6808, 12.4722



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.



27.1869, 37.8225, 11.4983



44.8727, 65.8955, 14.6753



20.5037, 34.3772, 11.1855



8.8616, 9.7337, 9.0643



15.7844, 25.0472, 4.0027



0.5603, 0.8209, 0.1289

Inverse Universe

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



17.0764, 11.0227, 43.8776



25.2631, 13.7649, 77.7065



26.4147, 15.8368, 44.3146



8.3530, 8.3905, 10.6856



7.6869, 3.2985, 30.3685



0.3086, 0.1382, 0.9586

Previews

White Background



This preview shows how the XYZ color 27.1860, 37.8208, 11.4975 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 27.1860, 37.8208, 11.4975 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 27.1860, 37.8208, 11.4975

Background



This preview shows how black text looks on a background with the XYZ color 27.1860, 37.8208, 11.4975.



This preview shows how white text looks on a background with the XYZ color 27.1860, 37.8208,

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

27.1860, 37.8208, 11.4975

Protanopia

34.1764, 37.4823, 10.4345

Deuteranopia

38.2633, 37.4731, 12.0538



Tritanopia

34.7375, 37.7310, 49.1680

Trichromacy



Original Color

27.1860, 37.8208, 11.4975

Protanomaly

31.0840, 37.2498, 10.7059

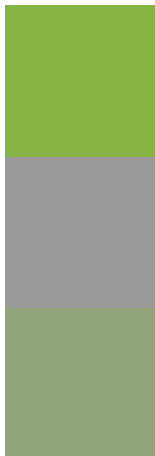
Deuteranomaly

33.2481, 36.9750, 11.6879

Tritanomaly

30.9877, 37.3278, 30.3827

Monochromacy



Original Color

27.1860, 37.8208, 11.4975

Achromatopsia

30.2779, 31.8547, 34.6897

Achromatomaly

28.2872, 33.3568, 23.3600

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.1860, 37.8208, 11.4975 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(135, 179, 69)` looks like.

```
.text, #text, p{  
    color:rgb(135, 179, 69)  
}
```

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(135, 179, 69) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 179, 69) }
```

Border

The CSS property to change the border of an element to XYZ 27.1860, 37.8208, 11.4975 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(135, 179, 69) }
```


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

```
.border{ border-color:rgb(135, 179, 69) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 179, 69)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 179, 69); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 179, 69);  
box-shadow:4px 4px 4px 4px rgb(135, 179,  
69) }
```

Background

The CSS property to change the background color of an element to XYZ 27.1860, 37.8208, 11.4975 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 179, 69) }
```

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

```
.background{ background-color: rgb(135,  
179, 69) }
```

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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