

Converting Colors

XYZ(27.0371, 39.3444, 6.7260)

Have a look what the booklet for
XYZ(27.0371, 39.3444, 6.7260)
contains.

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Color

**XYZ(27.0812, 39.3930,
6.7485)**

Conversions

Conversions Part 1

Format	Color
Hex	86B812
RGB	134, 184, 18
RGB Percent	53%, 72%, 7%
CMY	0.4745, 0.2784, 0.9294
CMYK	0.27, 0.00, 0.90, 0.28
HSL	78°, 82%, 40%
HSV	78°, 90%, 72%
XYZ	27.0812, 39.3930, 6.7485
YIQ	150.1260, 23.4860, -62.2260

Conversions

Conversions Part 2

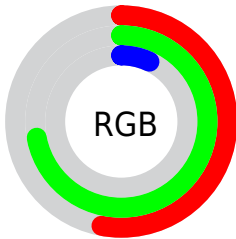
Format	Color
R_{YB}	18, 184, 68
Decimal	8828946
CIE _{Lab}	69.03, -37.52, 67.46
CIE _{LCh}	69, 77.193, 119.079
Yxy	39.3930, 0.3698, 0.5380
Android (android.graphics.Color)	4287019026 (0xFF86B812)
YUV	150.1260, -65.1381, -14.1425
Hunter-Lab	62.7638, -32.8180, 37.5597

Details

The XYZ color **27.0812, 39.3930, 6.7485** is a dark color, and the websafe version is hex **99CC33**. A complement of this color would be **11.2537, 5.1234, 45.7455**, and the grayscale version is **29.3055, 30.8317, 33.5757**.

A 20% lighter version of the original color is **54.2856, 74.0524, 20.0267**, and **11.2582, 17.8523, 2.8525** is the 20% darker color. If you saturate the color by 10%, you get **26.1300, 38.9165, 6.1345**, and if you desaturate by 10%, it is **28.2044, 39.9484, 7.9266**.

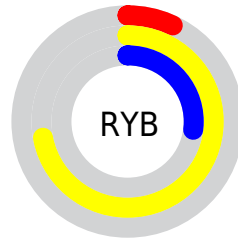
Distribution



Red (53%)

Green (72%)

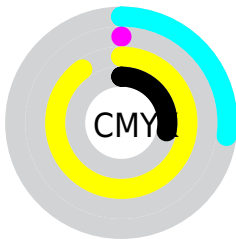
Blue (7%)



Red (7%)

Yellow (72%)

Blue (27%)

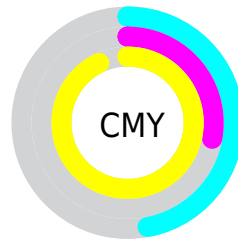


Cyan (27%)

Magenta (0%)

Yellow (90%)

Black (28%)



Cyan (47%)


Magenta (28%)


Yellow (93%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 27.0812, 39.3930, 6.7485 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 27.0812, 39.3930, 6.7485 by changing the saturation by 10% instead.


 27.0812, 39.3930,
6.7485


 27.0812, 39.3930,
6.7485


280.2104,
343.5585, 175.1081


 17.7711, 27.0656,
3.2293


 54.4331, 74.2383,
19.9696

 10.8845, 17.6225,
1.2129


 73.2056, 97.5250,
30.5086

 6.0559, 10.6793,
0.0000


 95.8630, 125.2336,
44.2246

 2.9201, 5.8516,
0.0000

 122.7707,
157.7484, 61.5360

 1.1117, 2.7551,
0.0000

 154.2939,
195.4539, 82.8616

 0.0348, 1.0052,
0.0000

 190.7980,

 0.0000, 0.0000,

238.7345, 108.6198

0.0000

232.6484,
287.9746, 139.2291

■ 27.0812, 39.3930,
6.7485

■ 27.0812, 39.3930,
6.7485

■ 26.1300, 38.9165,
6.1345

■ 28.2044, 39.9484,
7.9266

■ 29.5186, 40.5843,
9.8687

■ 31.0448, 41.3105,
12.6779

■ 32.7999, 42.1338,
16.4407

■ 34.7990, 43.0604,
21.2332

■ 37.0559, 44.0958,
27.1236

■ 39.5829, 45.2451,
34.1745

■ 42.3917, 46.5129,
42.4437

■ 45.4930, 47.9037,
51.9850

Harmonies

Analogous

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



37.8234, 39.3930, 4.5550



27.0812, 39.3930, 6.7485



20.5934, 39.3930, 16.6480

Triad

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



27.0812, 39.3930, 6.7485



26.5540, 39.3930, 131.2184



66.4257, 39.3930, 43.9905

Complementary

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



27.0812, 39.3930, 6.7485



11.2537, 5.1234, 45.7455

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.



61.6236, 39.3930, 87.9744



27.0812, 39.3930, 6.7485



37.0629, 39.3930, 152.5537

Square

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



27.0812, 39.3930, 6.7485



20.3392, 39.3930, 84.9645



50.1562, 39.3930, 133.5268



62.1551, 39.3930, 17.6720

Rectangle

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



27.0812, 39.3930, 6.7485



18.6862, 39.3930, 31.2945



50.1562, 39.3930, 133.5268



65.8042, 39.3930, 57.0508

Sweetspot

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



27.0821, 39.3948, 6.7493



68.3847, 80.4855, 52.4787



21.9331, 14.3458, 2.1858



14.4229, 17.2052, 10.4436



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.



27.0821, 39.3948, 6.7493



47.1122, 70.4128, 11.1080



18.6265, 35.0357, 6.3536



9.4797, 10.3639, 9.6077



18.0818, 26.8578, 4.2311



0.6969, 0.9774, 0.1519

Inverse Universe

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



11.2537, 5.1234, 45.7455



18.3717, 7.6592, 82.7147



21.5951, 10.4546, 46.2295



8.7687, 8.8471, 11.3249



7.1285, 2.9861, 31.4537



0.3160, 0.1386, 1.1118

Previews

White Background



This preview shows how the XYZ color 27.0812, 39.3930, 6.7485 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 27.0812, 39.3930, 6.7485 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 27.0812, 39.3930, 6.7485

Background



This preview shows how black text looks on a background with the XYZ color 27.0812, 39.3930, 6.7485.



This preview shows how white text looks on a background with the XYZ color 27.0812, 39.3930,

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

27.0812, 39.3930, 6.7485

Protanopia

35.0437, 38.8460, 5.9382

Deuteranopia

39.6120, 38.7851, 7.2322



Tritanopia

36.0824, 39.2079, 51.5651

Trichromacy



Original Color

27.0812, 39.3930, 6.7485

Protanomaly

31.5709, 38.7362, 6.1936

Deuteranomaly

33.7784, 38.1715, 6.8838

Tritanomaly

30.8405, 38.5256, 24.8795

Monochromacy



Original Color

27.0812, 39.3930, 6.7485

Achromatopsia

28.9890, 30.4987, 33.2131

Achromatomaly

26.8202, 32.7293, 17.4742

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.0812, 39.3930, 6.7485 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, 184, 18)` looks like.

```
.text, #text, p{  
    color:rgb(134, 184, 18)  
}
```

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, 184, 18) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(134, 184, 18) }
```

Border

The CSS property to change the border of an element to XYZ 27.0812, 39.3930, 6.7485 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, 184, 18) }
```


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

```
.border{ border-color:rgb(134, 184, 18) }
```

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

Here you see how a box with a 4 pixel `rgb(134, 184, 18)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(134, 184, 18); -webkit-box-  
shadow:4px 4px 4px 4px rgb(134, 184, 18);  
box-shadow:4px 4px 4px 4px rgb(134, 184,  
18) }
```

Background

The CSS property to change the background color of an element to XYZ 27.0812, 39.3930, 6.7485 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(134, 184, 18) }
```

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

```
.background{ background-color: rgb(134,  
184, 18) }
```

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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