

Converting Colors

XYZ(25.8536, 46.8966, 13.6112)

Have a look what the booklet for
XYZ(25.8536, 46.8966, 13.6112)
contains.

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Color

**XYZ(25.9877, 47.1126,
13.6852)**

Conversions

Conversions Part 1

Format	Color
Hex	3FD147
RGB	63, 209, 71
RGB Percent	25%, 82%, 28%
CMY	0.7529, 0.1804, 0.7216
CMYK	0.70, 0.00, 0.66, 0.18
HSL	123°, 61%, 53%
HSV	123°, 70%, 82%
XYZ	25.9877, 47.1126, 13.6852
YIQ	149.6140, -42.7180, -73.8700

Conversions

Conversions Part 2

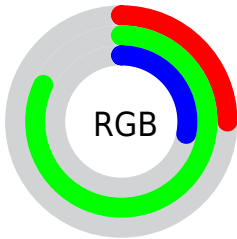
Format	Color
RYB	63, 201, 209
Decimal	4182343
CIELab	74.26, -64.54, 55.44
CIELCh	74, 85.079, 139.335
Yxy	47.1126, 0.2994, 0.5429
Android (android.graphics.Color)	4282372423 (0xFF3FD147)
YUV	149.6140, -38.7567, -75.9605
Hunter-Lab	68.6386, -52.5346, 36.2258

Details

The XYZ color **25.9877, 47.1126, 13.6852** is a dark color, and the websafe version is hex **33CC33**. The color can be described as dark muted green. A complement of this color would be **38.6158, 21.3280, 57.3400**, and the grayscale version is **28.9988, 30.5090, 33.2243**.

A 20% lighter version of the original color is **48.6676, 77.7465, 31.8436**, and **11.4131, 22.7912, 3.9125** is the 20% darker color. If you saturate the color by 10%, you get **24.3634, 46.3384, 10.8210**, and if you desaturate by 10%, it is **28.3267, 48.2342, 17.6603**.

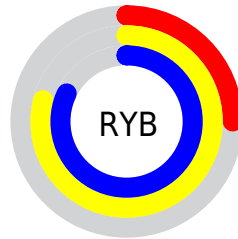
Distribution



Red (25%)

Green (82%)

Blue (28%)



Red (25%)

Yellow (79%)

Blue (82%)

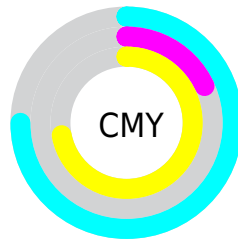


Cyan (70%)

Magenta (0%)

Yellow (66%)

Black (18%)



Cyan (75%)


Magenta (18%)


Yellow (72%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 25.9877, 47.1126, 13.6852 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 25.9877, 47.1126, 13.6852 by changing the saturation by 10% instead.


 25.9877, 47.1126,
13.6852


 25.9877, 47.1126,
13.6852


274.9795,
375.2638, 226.6235


 16.9471, 33.1247,
7.7658


 52.6865, 85.8817,
33.2385

 10.2918, 22.2220,
3.8598


 71.0755, 111.4316,
47.7094


 5.6566, 14.0201,
1.5488


 93.3112, 141.6044,
65.8679

 2.6761, 8.1346,
0.2539

 119.7591,
176.7843, 88.1326

 0.9849, 4.1812,
0.0000

 150.7845,
217.3558, 114.9220

 0.0000, 1.7754,
0.0000

186.7528,

 0.0000, 0.4718,

263.7033, 146.6545

0.0000

228.0294,
316.2112, 183.7489

■ 0.0000, 0.0000,
0.0000

■ 25.9877, 47.1126,
13.6852

■ 25.9877, 47.1126,
13.6852

■ 24.3634, 46.3384,
10.8210

■ 28.3267, 48.2342,
17.6603

■ 23.3688, 45.8660,
8.9522

■ 31.4464, 49.7311,
22.8406


■ 22.8699, 45.6306,
7.9418


■ 35.4090, 51.6347,
29.3140

■ 22.8645, 45.6280,
7.9327


■ 40.2697, 53.9719,
37.1591

■ 46.0789, 56.7670,
46.4486

 52.8832, 60.0427,
57.2499

 60.7261, 63.8201,
69.6261

 69.6487, 68.1190,
83.6368

 79.6898, 72.9583,
99.3385

Harmonies

Analogous

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



35.7399, 47.1126, 5.8210



25.9877, 47.1126, 13.6852



21.6694, 47.1126, 37.2496

Triad

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



25.9877, 47.1126, 13.6852



39.5595, 47.1126, 186.3527



78.6124, 47.1126, 28.1798

Complementary

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



25.9877, 47.1126, 13.6852



38.6158, 21.3280, 57.3400

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.



80.2970, 47.1126, 68.4963



25.9877, 47.1126, 13.6852



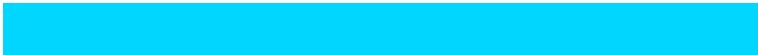
55.2267, 47.1126, 178.6812

Square

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



25.9877, 47.1126, 13.6852



28.2344, 47.1126, 145.2380



70.9630, 47.1126, 127.9721



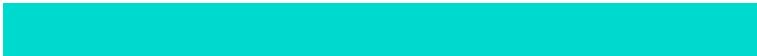
66.7796, 47.1126, 10.2862

Rectangle

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



25.9877, 47.1126, 13.6852



21.5965, 47.1126, 66.1905



70.9630, 47.1126, 127.9721



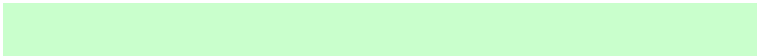
80.4720, 47.1126, 38.8251

Sweetspot

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



25.9888, 47.1146, 13.6863



70.9139, 88.3781, 70.6906



47.9756, 58.4769, 13.4614



14.6137, 18.6448, 14.2291



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



25.9888, 47.1146, 13.6863



37.2986, 72.2402, 15.2911



29.8322, 48.6519, 33.9254



11.6822, 13.2166, 12.6829



14.1086, 28.1364, 4.9522



0.7983, 1.5770, 0.3265

Inverse Universe

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



38.6158, 21.3280, 57.3400



58.2427, 29.3187, 87.5879



32.0158, 18.6881, 22.5850



12.2817, 11.9974, 14.7590



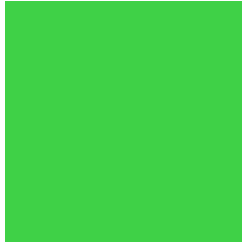
22.4769, 10.8636, 33.7469



1.2655, 0.6109, 1.9330

Previews

White Background



This preview shows how the XYZ color 25.9877, 47.1126, 13.6852 looks on a white background.

Color Contrast Check

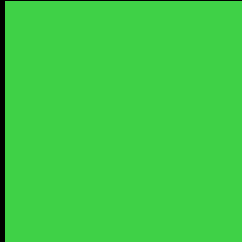
Large Text (above 18pt) WCAG AA × Fail

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 25.9877, 47.1126, 13.6852 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 25.9877, 47.1126, 13.6852

Background



This preview shows how black text looks on a background with the XYZ color 25.9877, 47.1126, 13.6852.



This preview shows how white text looks on a background with the XYZ color 25.9877, 47.1126,

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

25.9877, 47.1126, 13.6852

Protanopia

41.7782, 45.9632, 11.3725

Deuteranopia

47.0543, 45.9769, 14.5780



Tritanopia

36.7525, 46.5581, 68.6776

Trichromacy



Original Color

25.9877, 47.1126, 13.6852



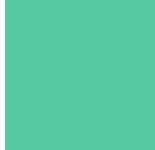
Protanomaly

32.3767, 44.2343, 11.9859



Deuteranomaly

34.2773, 43.2618, 13.9409



Tritanomaly

31.0239, 45.9213, 40.4863

Monochromacy



Original Color

25.9877, 47.1126, 13.6852



Achromatopsia

28.9890, 30.4987, 33.2131



Achromatomaly

25.4853, 34.3578, 23.3777

CSS Examples

Text

The CSS property to change the color of the text to XYZ 25.9877, 47.1126, 13.6852 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(63, 209, 71)` looks like.

```
.text, #text, p{  
    color:rgb(63, 209, 71)  
}
```

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(63, 209, 71) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(63, 209, 71) }
```

Border

The CSS property to change the border of an element to XYZ 25.9877, 47.1126, 13.6852 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(63, 209, 71) }
```


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

```
.border{ border-color:rgb(63, 209, 71) }
```

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

Here you see how a box with a 4 pixel `rgb(63, 209, 71)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(63, 209, 71); -webkit-box-  
shadow:4px 4px 4px 4px rgb(63, 209, 71);  
box-shadow:4px 4px 4px 4px rgb(63, 209,  
71) }
```

Background

The CSS property to change the background color of an element to XYZ 25.9877, 47.1126, 13.6852 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(63, 209, 71) }
```

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

```
.background{ background-color: rgb(63, 209,  
71) }
```

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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