

Converting Colors

XYZ(27.4852, 49.3568, 14.2554)

Have a look what the booklet for
XYZ(27.4852, 49.3568, 14.2554)
contains.

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Color

**XYZ(27.4897, 49.3585,
14.2092)**

Conversions

Conversions Part 1

Format	Color
Hex	46D548
RGB	70, 213, 72
RGB Percent	27%, 84%, 28%
CMY	0.7255, 0.1647, 0.7176
CMYK	0.67, 0.00, 0.66, 0.16
HSL	121°, 63%, 55%
HSV	121°, 67%, 84%
XYZ	27.4897, 49.3585, 14.2092
YIQ	154.1690, -39.9670, -74.1670

Conversions

Conversions Part 2

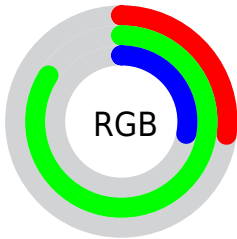
Format	Color
RYB	70, 211, 213
Decimal	4642120
CIELab	75.67, -64.49, 56.61
CIELCh	76, 85.811, 138.720
Yxy	49.3585, 0.3019, 0.5421
Android (android.graphics.Color)	4282832200 (0xFF46D548)
YUV	154.1690, -40.5093, -73.8162
Hunter-Lab	70.2556, -53.1036, 37.1875

Details

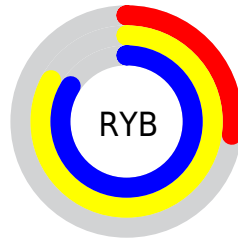
The XYZ color **27.4897, 49.3585, 14.2092** is a dark color, and the websafe version is hex **33CC33**. The color can be described as dark muted green. A complement of this color would be **41.3896, 23.2301, 63.9297**, and the grayscale version is **30.9755, 32.5886, 35.4890**.

A 20% lighter version of the original color is **49.5176, 78.1773, 32.2185**, and **12.0789, 24.1227, 4.1344** is the 20% darker color. If you saturate the color by 10%, you get **25.6450, 48.4751, 11.1373**, and if you desaturate by 10%, it is **30.1154, 50.6204, 18.5409**.

Distribution



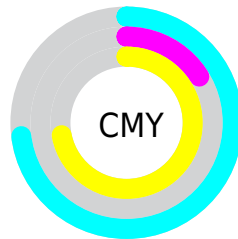
- Red (27%)
- Green (84%)
- Blue (28%)



- Red (27%)
- Yellow (83%)
- Blue (84%)



- Cyan (67%)
- Magenta (0%)
- Yellow (66%)
- Black (16%)



- Cyan (73%)
- Magenta (16%)
- Yellow (72%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.4897, 49.3585, 14.2092 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 27.4897, 49.3585, 14.2092 by changing the saturation by 10% instead.

■ 27.4897, 49.3585,
14.2092

■ 27.4897, 49.3585,
14.2092

282.1449,
384.1520, 230.0019

■ 18.0798, 34.9039,
8.1259

■ 55.0830, 89.2237,
34.1822

■ 11.1074, 23.5889,
4.0867

■ 73.9972, 115.4031,
48.9090

■ 6.2069, 15.0289,
1.6730

■ 96.8102, 146.2596,
67.3541

■ 3.0132, 8.8397,
0.3421

■ 123.8874,
182.1775, 89.9359

■ 1.1607, 4.6368,
0.0000

■ 155.5941,
223.5413, 117.0731

■ 0.0750, 2.0358,
0.0000

192.2957,

■ 0.0000, 0.6281,

270.7354, 149.1841

0.0000

234.3575,
324.1442, 186.6875

■ 0.0000, 0.0000,
0.0000

■ 27.4897, 49.3585,
14.2092

■ 27.4897, 49.3585,
14.2092

■ 25.6450, 48.4751,
11.1373

■ 30.1154, 50.6204,
18.5409

■ 24.4922, 47.9228,
9.1875

■ 33.5917, 52.2899,
24.2445


■ 23.9209, 47.6496,
8.1950


■ 37.9848, 54.4003,
31.4236

■ 23.8116, 47.5971,
8.0179

■ 43.3532, 56.9797,
40.1709

■ 49.7506, 60.0541,
50.5714

 57.2266, 63.6473,
62.7042

 65.8279, 67.7819,
76.6432

 75.5983, 72.4788,
92.4579

 83.0853, 76.0705,
104.9118

Harmonies

Analogous

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



37.7723, 49.3585, 6.1622



27.4897, 49.3585, 14.2092



22.8706, 49.3585, 38.3754

Triad

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



27.4897, 49.3585, 14.2092



41.1858, 49.3585, 193.3996



82.2225, 49.3585, 30.2606

Complementary

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



27.4897, 49.3585, 14.2092



41.3896, 23.2301, 63.9297

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.



83.7237, 49.3585, 72.7470



27.4897, 49.3585, 14.2092



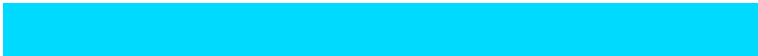
57.4227, 49.3585, 186.5777

Square

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



27.4897, 49.3585, 14.2092



29.5007, 49.3585, 150.0110



73.8347, 49.3585, 134.6450



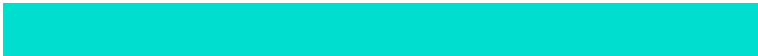
70.1047, 49.3585, 11.1507

Rectangle

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



27.4897, 49.3585, 14.2092



22.7241, 49.3585, 68.1359



73.8347, 49.3585, 134.6450



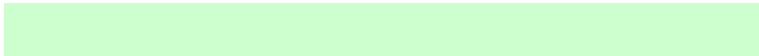
84.0730, 49.3585, 41.5347

Sweetspot

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



27.4909, 49.3606, 14.2103



71.6469, 88.7514, 70.9320



52.3425, 62.1795, 15.0374



14.7463, 18.7133, 14.2247



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.



27.4909, 49.3606, 14.2103



37.6055, 72.4015, 15.1650



31.1662, 50.8307, 33.5642



12.2694, 13.8988, 13.2332



14.5477, 29.0744, 4.9140



0.8800, 1.7546, 0.3098

Inverse Universe

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



41.3896, 23.2301, 63.9297



59.9026, 30.4458, 94.9012



34.4770, 20.4651, 27.5285



12.9452, 12.6296, 15.6515



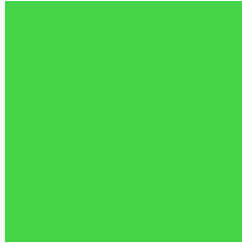
23.8722, 11.4852, 38.2268



1.4423, 0.6937, 2.3187

Previews

White Background



This preview shows how the XYZ color 27.4897, 49.3585, 14.2092 looks on a white background.

Color Contrast Check

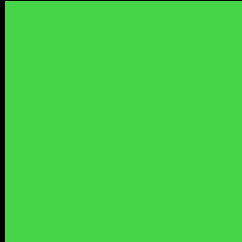
Large Text (above 18pt) WCAG AA × Fail

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 27.4897, 49.3585, 14.2092 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

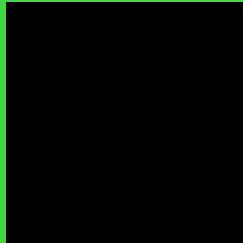
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 27.4897, 49.3585, 14.2092

Background



This preview shows how black text looks on a background with the XYZ color 27.4897, 49.3585, 14.2092.

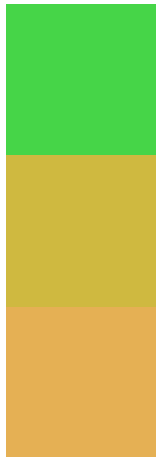


This preview shows how white text looks on a background with the XYZ color 27.4897, 49.3585,

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

27.4897, 49.3585, 14.2092

Protanopia

44.0065, 48.3335, 11.8604

Deuteranopia

49.4387, 48.3488, 15.1141



Tritanopia

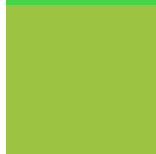
38.8735, 48.9413, 71.6877

Trichromacy



Original Color

27.4897, 49.3585, 14.2092



Protanomaly

34.4329, 46.6036, 12.4908



Deuteranomaly

36.4402, 45.6323, 14.4767



Tritanomaly

32.8198, 48.2098, 42.2260

Monochromacy



Original Color

27.4897, 49.3585, 14.2092



Achromatopsia

30.7148, 32.3143, 35.1903



Achromatomaly

27.1364, 36.3261, 24.6502

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.4897, 49.3585, 14.2092 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(70, 213, 72)` looks like.

```
.text, #text, p{  
    color:rgb(70, 213, 72)  
}
```

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(70, 213, 72) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(70, 213, 72) }
```

Border

The CSS property to change the border of an element to XYZ 27.4897, 49.3585, 14.2092 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(70, 213, 72) }
```


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

```
.border{ border-color:rgb(70, 213, 72) }
```

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

Here you see how a box with a 4 pixel `rgb(70, 213, 72)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(70, 213, 72); -webkit-box-  
shadow:4px 4px 4px 4px rgb(70, 213, 72);  
box-shadow:4px 4px 4px 4px rgb(70, 213,  
72) }
```

Background

The CSS property to change the background color of an element to XYZ 27.4897, 49.3585, 14.2092 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(70, 213, 72) }
```

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

```
.background{ background-color: rgb(70, 213,  
72) }
```

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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