

Converting Colors

XYZ(27.1824, 49.2021, 14.7283)

Have a look what the booklet for
XYZ(27.1824, 49.2021, 14.7283)
contains.

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Color

**XYZ(27.1786, 49.1865,
14.7181)**

Conversions

Conversions Part 1

Format	Color
Hex	40D54B
RGB	64, 213, 75
RGB Percent	25%, 84%, 29%
CMY	0.7490, 0.1647, 0.7059
CMYK	0.70, 0.00, 0.65, 0.16
HSL	124°, 64%, 54%
HSV	124°, 70%, 84%
XYZ	27.1786, 49.1865, 14.7181
YIQ	152.7170, -44.5060, -74.5060

Conversions

Conversions Part 2

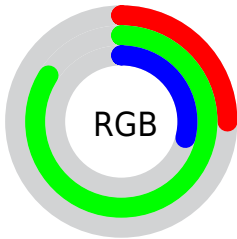
Format	Color
RYB	64, 203, 213
Decimal	4248907
CIELab	75.57, -65.28, 55.23
CIELCh	76, 85.510, 139.766
Yxy	49.1865, 0.2984, 0.5400
Android (android.graphics.Color)	4282438987 (0xFF40D54B)
YUV	152.7170, -38.3145, -77.8048
Hunter-Lab	70.1331, -53.5590, 36.6506

Details

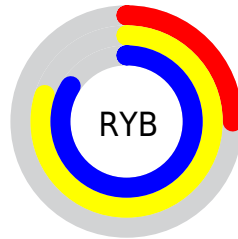
The XYZ color **27.1786, 49.1865, 14.7181** is a dark color, and the websafe version is hex **33CC33**. The color can be described as dark muted green. A complement of this color would be **39.9358, 22.0779, 58.0338**, and the grayscale version is **30.3314, 31.9110, 34.7511**.

A 20% lighter version of the original color is **49.0825, 77.9303, 33.2240**, and **12.1233, 24.1405, 4.3684** is the 20% darker color. If you saturate the color by 10%, you get **25.4752, 48.3761, 11.6442**, and if you desaturate by 10%, it is **29.6223, 50.3572, 18.9213**.

Distribution



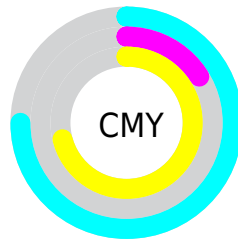
- Red (25%)
- Green (84%)
- Blue (29%)



- Red (25%)
- Yellow (80%)
- Blue (84%)



- Cyan (70%)
- Magenta (0%)
- Yellow (65%)
- Black (16%)



- Cyan (75%)
- Magenta (16%)
- Yellow (71%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.1786, 49.1865, 14.7181 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 27.1786, 49.1865, 14.7181 by changing the saturation by 10% instead.

■ 27.1786, 49.1865,
14.7181

■ 27.1786, 49.1865,
14.7181

280.6726,
383.4761, 233.2353

■ 17.8447, 34.7674,
8.4774

■ 54.5882, 88.9684,
35.0932

■ 10.9375, 23.4838,
4.3098

■ 73.3946, 115.1000,
50.0646

■ 6.0918, 14.9511,
1.7968

■ 96.0892, 145.9046,
68.7833

■ 2.9422, 8.7851,
0.4258

■ 123.0373,
181.7666, 91.6678

■ 1.1233, 4.6013,
0.0000

■ 154.6044,
223.0703, 119.1368

■ 0.0444, 2.0153,
0.0000

191.1557,

■ 0.0000, 0.6163,

270.2002, 151.6086

0.0000

233.0567,
323.5407, 189.5019

■ 0.0000, 0.0000,
0.0000

■ 27.1786, 49.1865,
14.7181

■ 27.1786, 49.1865,
14.7181

■ 25.4752, 48.3761,
11.6442

■ 29.6223, 50.3572,
18.9213

■ 24.4246, 47.8789,
9.5875

■ 32.8743, 51.9170,
24.3453


■ 23.8887, 47.6280,
8.4173


■ 36.9987, 53.8985,
31.0759


■ 23.8868, 47.6271,
8.4137


■ 42.0521, 56.3293,
39.1905

■ 48.0867, 59.2347,
48.7603

 55.1504, 62.6380,
59.8515

 63.2882, 66.5610,
72.5266

 72.5424, 71.0244,
86.8443

 82.6934, 75.9137,
102.8481

Harmonies

Analogous

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



37.2090, 49.1865, 6.3116



27.1786, 49.1865, 14.7181



22.7702, 49.1865, 39.5344

Triad

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



27.1786, 49.1865, 14.7181



41.5567, 49.1865, 192.9501



81.5723, 49.1865, 29.1881

Complementary

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



27.1786, 49.1865, 14.7181



39.9358, 22.0779, 58.0338

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.



83.4810, 49.1865, 70.5528



27.1786, 49.1865, 14.7181



57.7973, 49.1865, 184.2875

Square

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



27.1786, 49.1865, 14.7181



29.7421, 49.1865, 151.2454



73.9953, 49.1865, 131.7225



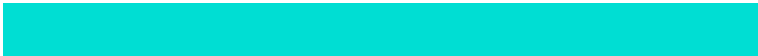
69.2515, 49.1865, 10.8053

Rectangle

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



27.1786, 49.1865, 14.7181



22.7436, 49.1865, 69.7143



73.9953, 49.1865, 131.7225



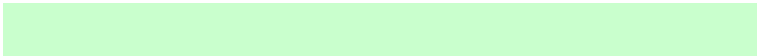
83.5445, 49.1865, 40.1094

Sweetspot

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



27.1798, 49.1885, 14.7192



71.0369, 88.4273, 71.3382



49.3684, 60.6670, 13.9585



14.6422, 18.6562, 14.3793



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.



27.1798, 49.1885, 14.7192



37.3955, 72.2789, 15.8015



31.2895, 50.8324, 36.3607



12.2993, 13.9107, 13.3903



14.6048, 29.0973, 5.2145



0.8942, 1.7603, 0.3846

Inverse Universe

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



39.9358, 22.0779, 58.0338



57.6329, 29.0748, 84.3764



33.2090, 19.3871, 22.6107



12.9116, 12.6161, 15.4747



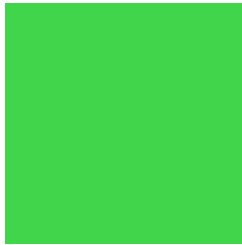
22.9536, 11.1177, 33.3891



1.3965, 0.6754, 2.0775

Previews

White Background



This preview shows how the XYZ color 27.1786, 49.1865, 14.7181 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 27.1786, 49.1865, 14.7181 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 27.1786, 49.1865, 14.7181

Background



This preview shows how black text looks on a background with the XYZ color 27.1786, 49.1865, 14.7181.

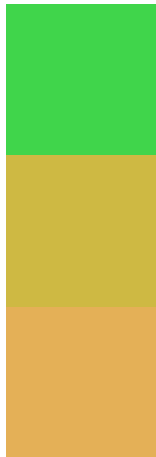


This preview shows how white text looks on a background with the XYZ color 27.1786, 49.1865,

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

27.1786, 49.1865, 14.7181

Protanopia

43.8157, 48.2250, 12.3092

Deuteranopia

49.2405, 48.2328, 15.7314



Tritanopia

38.3981, 48.6962, 71.6655

Trichromacy



Original Color

27.1786, 49.1865, 14.7181



Protanomaly

33.9470, 46.3424, 12.9501



Deuteranomaly

35.9074, 45.3446, 15.0435



Tritanomaly

32.4135, 47.9899, 42.6766

Monochromacy



Original Color

27.1786, 49.1865, 14.7181



Achromatopsia

30.2779, 31.8547, 34.6897



Achromatomaly

26.9168, 36.2056, 24.9717

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.1786, 49.1865, 14.7181 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(64, 213, 75)` looks like.

```
.text, #text, p{  
    color:rgb(64, 213, 75)  
}
```

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(64, 213, 75) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(64, 213, 75) }
```

Border

The CSS property to change the border of an element to XYZ 27.1786, 49.1865, 14.7181 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(64, 213, 75) }
```


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

```
.border{ border-color:rgb(64, 213, 75) }
```

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

Here you see how a box with a 4 pixel rgb(64, 213, 75) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(64, 213, 75); -webkit-box-  
shadow:4px 4px 4px 4px rgb(64, 213, 75);  
box-shadow:4px 4px 4px 4px rgb(64, 213,  
75) }
```

Background

The CSS property to change the background color of an element to XYZ 27.1786, 49.1865, 14.7181 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(64, 213, 75) }
```

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

```
.background{ background-color: rgb(64, 213,  
75) }
```

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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