

Converting Colors

XYZ(27.2043, 49.6005, 13.6089)

Have a look what the booklet for
XYZ(27.2043, 49.6005, 13.6089)
contains.

XYZ(27.2043, 49.6005, 13.6089)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(27.2043, 49.6005,
13.6089)**

Conversions

Conversions Part 1

Format	Color
Hex	40D644
RGB	64, 214, 68
RGB Percent	25%, 84%, 27%
CMY	0.7490, 0.1608, 0.7333
CMYK	0.70, 0.00, 0.68, 0.16
HSL	122°, 65%, 55%
HSV	122°, 70%, 84%
XYZ	27.2043, 49.6005, 13.6089
YIQ	152.5060, -42.5340, -77.2060

Conversions

Conversions Part 2

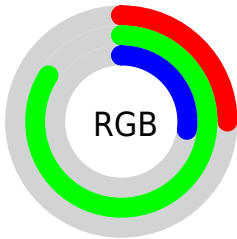
Format	Color
RYB	64, 210, 214
Decimal	4249156
CIELab	75.82, -66.28, 58.32
CIELCh	76, 88.285, 138.655
Yxy	49.6005, 0.3009, 0.5486
Android (android.graphics.Color)	4282439236 (0xFF40D644)
YUV	152.5060, -41.6615, -77.6198
Hunter-Lab	70.4276, -54.2986, 37.8426

Details

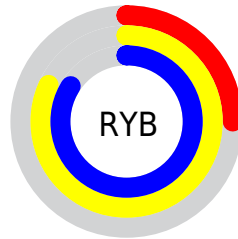
The XYZ color **27.2043, 49.6005, 13.6089** is a dark color, and the websafe version is hex **33CC33**. The color can be described as dark muted green. A complement of this color would be **41.1989, 22.6167, 63.1662**, and the grayscale version is **30.2531, 31.8286, 34.6613**.

A 20% lighter version of the original color is **48.6952, 77.7754, 31.1845**, and **12.2269, 24.4537, 4.0756** is the 20% darker color. If you saturate the color by 10%, you get **25.5438, 48.8068, 10.7823**, and if you desaturate by 10%, it is **29.6266, 50.7637, 17.6516**.

Distribution



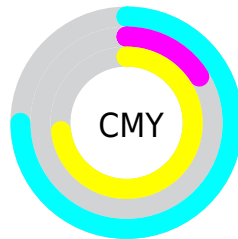
- Red (25%)
- Green (84%)
- Blue (27%)



- Red (25%)
- Yellow (82%)
- Blue (84%)



- Cyan (70%)
- Magenta (0%)
- Yellow (68%)
- Black (16%)



- Cyan (75%)
- Magenta (16%)
- Yellow (73%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.2043, 49.6005, 13.6089 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 27.2043, 49.6005, 13.6089 by changing the saturation by 10% instead.

■ 27.2043, 49.6005,
13.6089

■ 27.2043, 49.6005,
13.6089

280.7945,
385.1016, 226.1272

■ 17.8641, 35.0961,
7.7135

■ 54.6291, 89.5827,
33.1005

■ 10.9516, 23.7369,
3.8271

■ 73.4444, 115.8292,
47.5339

■ 6.1013, 15.1386,
1.5310

■ 96.1488, 146.7586,
65.6503

■ 2.9480, 8.9167,
0.2408

■ 123.1077,
182.7552, 87.8683

■ 1.1263, 4.6869,
0.0000

■ 154.6863,
224.2034, 114.6064

■ 0.0470, 2.0647,
0.0000

191.2501,

■ 0.0000, 0.6447,

271.4876, 146.2833

0.0000

233.1643,
324.9922, 183.3174

■ 0.0000, 0.0000,
0.0000

■ 27.2043, 49.6005,
13.6089

■ 27.2043, 49.6005,
13.6089

■ 25.5438, 48.8068,
10.7823

■ 29.6266, 50.7637,
17.6516

■ 24.5514, 48.3329,
9.0329


■ 32.8832, 52.3271,
23.0229


■ 24.0789, 48.1077,
8.1807


■ 37.0424, 54.3249,
29.8261


■ 42.1641, 56.7863,
38.1537

■ 48.3035, 59.7377,
48.0901

 55.5112, 63.2036,
59.7137

 63.8348, 67.2069,
73.0978

 73.3187, 71.7692,
88.3114

 83.3376, 76.5752,
104.9959

Harmonies

Analogous

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



37.7554, 49.6005, 5.6664



27.2043, 49.6005, 13.6089



22.4841, 49.6005, 38.1120

Triad

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



27.2043, 49.6005, 13.6089



41.2063, 49.6005, 199.8520



83.7958, 49.6005, 29.9546

Complementary

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



27.2043, 49.6005, 13.6089



41.1989, 22.6167, 63.1662

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.



85.3328, 49.6005, 73.8003



27.2043, 49.6005, 13.6089



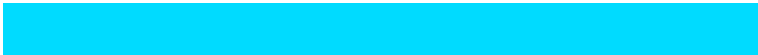
57.9722, 49.6005, 192.8031

Square

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



27.2043, 49.6005, 13.6089



29.2238, 49.6005, 154.1967



75.0157, 49.6005, 138.3764



71.2053, 49.6005, 10.6109

Rectangle

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



27.2043, 49.6005, 13.6089



22.3276, 49.6005, 68.7762



75.0157, 49.6005, 138.3764



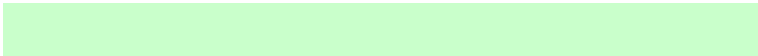
85.7152, 49.6005, 41.5189

Sweetspot

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



27.2055, 49.6026, 13.6100



70.7337, 88.3060, 69.7415



51.9816, 62.3888, 14.1530



14.5719, 18.6280, 14.0091



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.



27.2055, 49.6026, 13.6100



37.1699, 72.1887, 14.6135



31.0071, 51.1232, 33.6292



12.2757, 13.9013, 13.2664



14.5596, 29.0792, 4.9765



0.8830, 1.7559, 0.3256

Inverse Universe

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



41.1989, 22.6167, 63.1662



59.1688, 29.6892, 92.4647



34.0458, 19.7554, 25.4988



12.9380, 12.6267, 15.6140



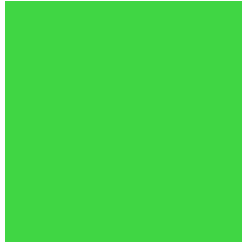
23.6714, 11.4049, 37.1691



1.4324, 0.6897, 2.2662

Previews

White Background



This preview shows how the XYZ color 27.2043, 49.6005, 13.6089 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 27.2043, 49.6005, 13.6089 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

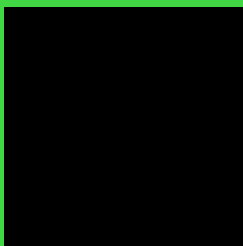
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

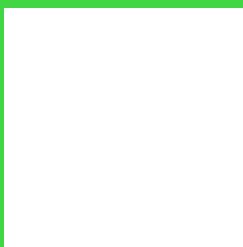
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 27.2043, 49.6005, 13.6089

Background



This preview shows how black text looks on a background with the XYZ color 27.2043, 49.6005, 13.6089.



This preview shows how white text looks on a background with the XYZ color 27.2043, 49.6005,

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

27.2043, 49.6005, 13.6089

Protanopia

44.1066, 48.7095, 11.3522

Deuteranopia

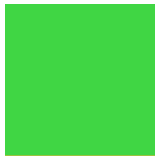
49.6437, 48.4677, 14.5233



Tritanopia

38.8746, 49.2697, 72.4268

Trichromacy



Original Color

27.2043, 49.6005, 13.6089



Protanomaly

34.1547, 46.8073, 11.9372



Deuteranomaly

36.2955, 45.8948, 13.7831



Tritanomaly

32.5694, 48.4449, 41.8166

Monochromacy



Original Color

27.2043, 49.6005, 13.6089



Achromatopsia

30.2779, 31.8547, 34.6897



Achromatomaly

26.7280, 36.1300, 23.9774

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.2043, 49.6005, 13.6089 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, 214, 68)` looks like.

```
.text, #text, p{  
    color:rgb(64, 214, 68)  
}
```

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, 214, 68) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(64, 214, 68) }
```

Border

The CSS property to change the border of an element to XYZ 27.2043, 49.6005, 13.6089 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, 214, 68) }
```


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

```
.border{ border-color:rgb(64, 214, 68) }
```

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

Here you see how a box with a 4 pixel `rgb(64, 214, 68)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(64, 214, 68); -webkit-box-  
shadow:4px 4px 4px 4px rgb(64, 214, 68);  
box-shadow:4px 4px 4px 4px rgb(64, 214,  
68) }
```

Background

The CSS property to change the background color of an element to XYZ 27.2043, 49.6005, 13.6089 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(64, 214, 68) }
```

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

```
.background{ background-color: rgb(64, 214,  
68) }
```

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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