

Converting Colors

XYZ(27.1821, 54.3280, 9.0537)

Have a look what the booklet for
XYZ(27.1821, 54.3280, 9.0537)
contains.

XYZ(27.2214, 54.4056, 9.0666)	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(27.2214, 54.4056,
9.0666)**

Conversions

Conversions Part 1

Format	Color
Hex	02E200
RGB	2, 226, 0
RGB Percent	1%, 89%, 0%
CMY	0.9921, 0.1137, 0.9999
CMYK	0.99, 0.00, 1.00, 0.11
HSL	119°, 100%, 44%
HSV	119°, 100%, 89%
XYZ	27.2214, 54.4056, 9.0666
YIQ	133.2600, -60.9580, -117.7740

Conversions

Conversions Part 2

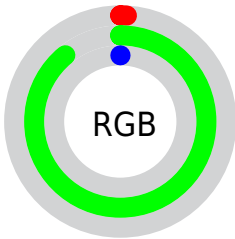
Format	Color
RYB	0, 226, 224
Decimal	188928
CIELab	78.70, -78.60, 75.94
CIELCh	79, 109.290, 135.987
Yxy	54.4056, 0.3001, 0.5999
Android (android.graphics.Color)	4278379008 (0xFF02E200)
YUV	133.2600, -65.6972, -115.1150
Hunter-Lab	73.7602, -63.2043, 44.3442

Details

The XYZ color **27.2214, 54.4056, 9.0666** is a dark color, and the websafe version is hex **33FF33**. The color can be described as dark washed green. A complement of this color would be **44.4784, 21.3441, 73.7299**, and the grayscale version is **22.6399, 23.8190, 25.9389**.

A 20% lighter version of the original color is **44.1218, 75.6366, 21.0780**, and **14.1880, 28.3759, 4.7293** is the 20% darker color. If you saturate the color by 10%, you get **27.2221, 54.4076, 9.0670**, and if you desaturate by 10%, it is **27.7348, 54.6545, 9.8789**.

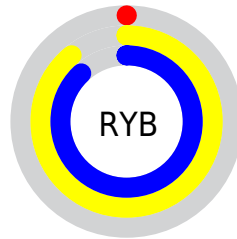
Distribution



Red (1%)

Green (89%)

Blue (0%)



Red (0%)

Yellow (89%)

Blue (88%)

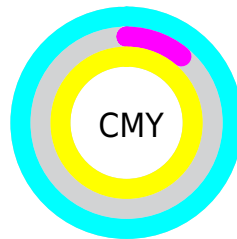


Cyan (99%)

Magenta (0%)

Yellow (100%)

Black (11%)



Cyan (99%)


Magenta (11%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 27.2214, 54.4056, 9.0666 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 27.2214, 54.4056, 9.0666 by changing the saturation by 10% instead.


 27.2214, 54.4056,
9.0666


 27.2214, 54.4056,
9.0666


280.8755,
403.6548, 194.1103


 17.8770, 38.9260,
4.6872


 54.6563, 96.6695,
24.6042


 10.9609, 26.7022,
2.0094


 73.4776, 124.2227,
36.5995

 6.1076, 17.3497,
0.5611


 96.1885, 156.5691,
51.9705

 2.9519, 10.4841,
0.0000

 123.1544,
194.0933, 71.1357

 1.1284, 5.7211,
0.0000

 154.7408,
237.1795, 94.5138

 0.0487, 2.6762,
0.0000

 191.3128,

 0.0000, 0.9651,

286.2123, 122.5232

0.0000

233.2360,
341.5759, 155.5825

■ 0.0000, 0.0000,
0.0000

■ 27.2214, 54.4056,
9.0666

■ 27.2214, 54.4056,
9.0666

■ 27.2221, 54.4076,
9.0670

■ 27.7348, 54.6545,
9.8789

■ 28.8390, 55.1859,
11.6379

■ 30.7049, 56.0831,
14.6485

■ 33.4365, 57.3959,
19.0855

■ 37.1215, 59.1664,
25.0957

■ 41.8370, 61.4315,
32.8079

■ 47.6521, 64.2244,
42.3376

■ 54.6300, 67.5754,
53.7900

■ 62.8291, 71.5125,
67.2625

Harmonies

Analogous

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



41.0936, 54.4056, 2.6844



27.2214, 54.4056, 9.0666



20.9731, 54.4056, 34.8509

Triad

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



27.2214, 54.4056, 9.0666



42.2914, 54.4056, 265.8420



102.8004, 54.4056, 32.1437

Complementary

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



27.2214, 54.4056, 9.0666



44.4784, 21.3441, 73.7299

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.



103.3874, 54.4056, 92.9630



27.2214, 54.4056, 9.0666



64.0155, 54.4056, 262.9654

Square

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



27.2214, 54.4056, 9.0666



27.8867, 54.4056, 192.5856



87.7050, 54.4056, 186.2932



86.2732, 54.4056, 8.2621

Rectangle

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



27.2214, 54.4056, 9.0666



20.4248, 54.4056, 72.5335



87.7050, 54.4056, 186.2932



104.9977, 54.4056, 47.6762

Sweetspot

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



27.2227, 54.4079, 9.0678



62.4754, 84.3582, 55.3731



57.5499, 68.5384, 10.1969



12.6417, 17.7052, 10.6542



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.



27.2227, 54.4079, 9.0678



35.7879, 71.5344, 11.9213



29.9716, 55.5046, 23.6725



13.5398, 15.3429, 14.5546



15.5348, 31.0410, 5.1727



1.0807, 2.1536, 0.3587

Inverse Universe

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



44.4784, 21.3441, 73.7299



58.4756, 28.0602, 96.9419



34.5637, 17.4493, 18.3091



14.2826, 13.9292, 17.3235



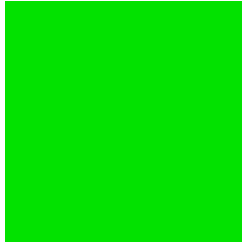
25.3794, 12.1789, 42.0615



1.7630, 0.8462, 2.9156

Previews

White Background



This preview shows how the XYZ color 27.2214, 54.4056, 9.0666 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 27.2214, 54.4056, 9.0666 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

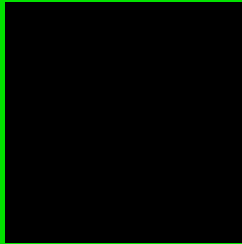
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

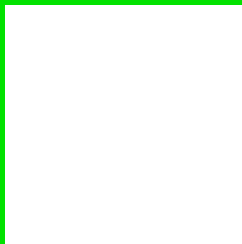
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 27.2214, 54.4056, 9.0666

Background



This preview shows how black text looks on a background with the XYZ color 27.2214, 54.4056, 9.0666.



This preview shows how white text looks on a background with the XYZ color 27.2214, 54.4056,

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

27.2214, 54.4056, 9.0666

Protanopia

47.9834, 53.0454, 7.7098

Deuteranopia

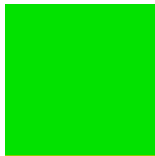
54.4500, 53.1434, 10.2936



Tritanopia

41.6310, 54.0721, 80.9158

Trichromacy



Original Color

27.2214, 54.4056, 9.0666



Protanomaly

32.4788, 49.1516, 7.7754



Deuteranomaly

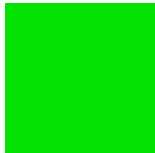
34.1883, 47.9143, 8.7428



Tritanomaly

31.5144, 52.1174, 34.7843

Monochromacy



Original Color

27.2214, 54.4056, 9.0666



Achromatopsia

22.2940, 23.4551, 25.5426



Achromatomaly

19.2047, 30.2246, 13.4161

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.2214, 54.4056, 9.0666 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(2, 226, 0)` looks like.

```
.text, #text, p{  
    color:rgb(2, 226, 0)  
}
```

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(2, 226, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(2, 226, 0) }
```

Border

The CSS property to change the border of an element to XYZ 27.2214, 54.4056, 9.0666 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(2, 226, 0) }
```


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

```
.border{ border-color:rgb(2, 226, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(2, 226, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(2, 226, 0); -webkit-box-shadow:4px  
4px 4px 4px rgb(2, 226, 0); box-shadow:4px  
4px 4px 4px rgb(2, 226, 0) }
```

Background

The CSS property to change the background color of an element to XYZ 27.2214, 54.4056, 9.0666 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(2, 226, 0) }
```

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

```
.background{ background-color: rgb(2, 226,  
0) }
```

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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