

Converting Colors

XYZ(27.0418, 53.4968, 9.5168)

Have a look what the booklet for
XYZ(27.0418, 53.4968, 9.5168)
contains.

XYZ(27.0418, 53.4968, 9.5168)	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(27.0418, 53.4968,
9.5168)**

Conversions

Conversions Part 1

Format	Color
Hex	13E013
RGB	19, 224, 19
RGB Percent	7%, 88%, 7%
CMY	0.9255, 0.1216, 0.9254
CMYK	0.92, 0.00, 0.92, 0.12
HSL	120°, 84%, 48%
HSV	120°, 92%, 88%
XYZ	27.0418, 53.4968, 9.5168
YIQ	139.3350, -56.3750, -107.2150

Conversions

Conversions Part 2

Format	Color
R _Y B	19, 224, 224
Decimal	1302547
CIE Lab	78.17, -77.04, 73.60
CIE LCh	78, 106.547, 136.308
Yxy	53.4968, 0.3003, 0.5940
Android (android.graphics.Color)	4279492627 (0xFF13E013)
YUV	139.3350, -59.3252, -105.5338
Hunter-Lab	73.1415, -62.0028, 43.4845

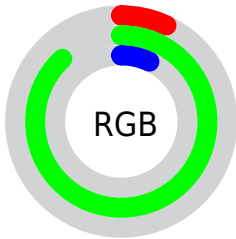
Details

The XYZ color **27.0418, 53.4968, 9.5168** is a dark color, and the websafe version is hex **00CC00**.

The color can be described as dark washed green. A complement of this color would be **44.4273, 21.6948, 72.3572**, and the grayscale version is **24.9095, 26.2067, 28.5391**.

A 20% lighter version of the original color is **44.5878, 75.8527, 22.1886**, and **13.8187, 27.6374, 4.6062** is the 20% darker color. If you saturate the color by 10%, you get **26.6568, 53.3135, 8.8861**, and if you desaturate by 10%, it is **27.9949, 53.9562, 11.0754**.

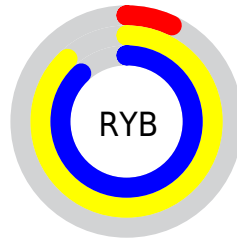
Distribution



Red (7%)

Green (88%)

Blue (7%)



Red (7%)

Yellow (88%)

Blue (88%)

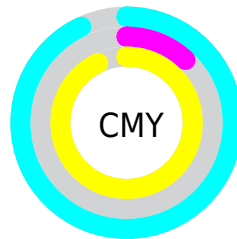


Cyan (92%)

Magenta (0%)

Yellow (92%)

Black (12%)



Cyan (93%)


Magenta (12%)


Yellow (93%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 27.0418, 53.4968, 9.5168 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 27.0418, 53.4968, 9.5168 by changing the saturation by 10% instead.


 27.0418, 53.4968,
9.5168


 27.0418, 53.4968,
9.5168


280.0233,
400.1882, 197.5456


 17.7414, 38.1995,
4.9784


 54.3703, 95.3350,
25.4760


 10.8630, 26.1376,
2.1761


 73.1292, 122.6447,
37.7340


 6.0414, 16.9266,
0.6605


 95.7715, 154.7273,
53.4021

 2.9112, 10.1822,
0.0000

 122.6627,
191.9673, 72.8991

 1.1070, 5.5199,
0.0000

 154.1681,
234.7490, 96.6434

 0.0309, 2.5554,
0.0000

 190.6532,

 0.0000, 0.9043,

283.4568, 125.0535

0.0000

232.4831,
338.4750, 158.5481

■ 0.0000, 0.0000,
0.0000

■ 27.0418, 53.4968,
9.5168

■ 27.0418, 53.4968,
9.5168

■ 26.6568, 53.3135,
8.8861

■ 27.9949, 53.9562,
11.0754

■ 29.6785, 54.7649,
13.8296

■ 32.2016, 55.9769,
17.9570

■ 35.6543, 57.6354,
23.6047

■ 40.1150, 59.7781,
30.9010

■ 45.6538, 62.4387,
39.9607

■ 52.3347, 65.6479,
50.8882

■ 60.2165, 69.4339,
63.7799

■ 69.3542, 73.8232,
78.7255

Harmonies

Analogous

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



40.4115, 53.4968, 2.9543



27.0418, 53.4968, 9.5168



21.0216, 53.4968, 35.1034

Triad

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



27.0418, 53.4968, 9.5168



41.9461, 53.4968, 255.8055



99.7730, 53.4968, 31.6164

Complementary

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



27.0418, 53.4968, 9.5168



44.4273, 21.6948, 72.3572

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.



100.5167, 53.4968, 89.8267



27.0418, 53.4968, 9.5168



62.9404, 53.4968, 252.1876

Square

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



27.0418, 53.4968, 9.5168



27.8995, 53.4968, 186.7378



85.6432, 53.4968, 178.8012



83.8257, 53.4968, 8.4524

Rectangle

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



27.0418, 53.4968, 9.5168



20.5286, 53.4968, 71.7803



85.6432, 53.4968, 178.8012



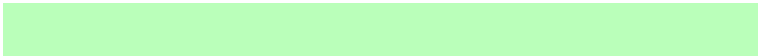
101.9336, 53.4968, 46.5349

Sweetspot

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



27.0430, 53.4990, 9.5180



64.9257, 85.5297, 59.6283



57.5160, 69.2084, 10.9433



13.2648, 18.0033, 11.7293



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.



27.0430, 53.4990, 9.5180



35.7601, 71.5200, 11.9206



30.4075, 54.8448, 27.2348



13.5289, 15.3373, 14.5544



15.5156, 31.0311, 5.1723



1.0755, 2.1509, 0.3586

Inverse Universe

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



44.4273, 21.6948, 72.3572



59.2865, 28.4786, 96.9613



34.4567, 17.7066, 19.8529



14.2950, 13.9356, 17.3238



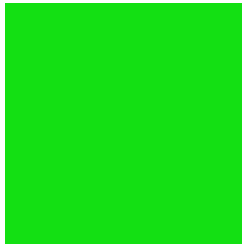
25.7232, 12.3563, 42.0697



1.7830, 0.8565, 2.9161

Previews

White Background



This preview shows how the XYZ color 27.0418, 53.4968, 9.5168 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 27.0418, 53.4968, 9.5168 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

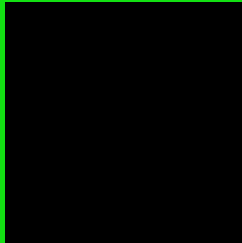
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 27.0418, 53.4968, 9.5168

Background



This preview shows how black text looks on a background with the XYZ color 27.0418, 53.4968, 9.5168.



This preview shows how white text looks on a background with the XYZ color 27.0418, 53.4968,

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

27.0418, 53.4968, 9.5168

Protanopia

47.1685, 52.2982, 7.6085

Deuteranopia

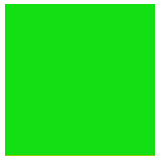
53.2607, 52.2202, 10.4043



Tritanopia

40.8658, 52.9809, 79.3066

Trichromacy



Original Color

27.0418, 53.4968, 9.5168



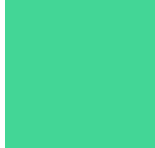
Protanomaly

33.1328, 49.1304, 7.9378



Deuteranomaly

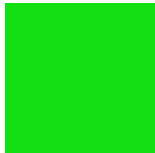
34.8297, 47.5526, 9.2623



Tritanomaly

31.8663, 51.4884, 37.1129

Monochromacy



Original Color

27.0418, 53.4968, 9.5168



Achromatopsia

24.5403, 25.8183, 28.1161



Achromatomaly

21.1596, 32.0086, 15.8895

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.0418, 53.4968, 9.5168 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(19, 224, 19)` looks like.

```
.text, #text, p{  
    color:rgb(19, 224, 19)  
}
```

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(19, 224, 19) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(19, 224, 19) }
```

Border

The CSS property to change the border of an element to XYZ 27.0418, 53.4968, 9.5168 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(19, 224, 19) }
```


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

```
.border{ border-color:rgb(19, 224, 19) }
```

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

Here you see how a box with a 4 pixel rgb(19, 224, 19) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(19, 224, 19); -webkit-box-  
shadow:4px 4px 4px 4px rgb(19, 224, 19);  
box-shadow:4px 4px 4px 4px rgb(19, 224,  
19) }
```

Background

The CSS property to change the background color of an element to XYZ 27.0418, 53.4968, 9.5168 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(19, 224, 19) }
```

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

```
.background{ background-color: rgb(19, 224,  
19) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor