

# Converting Colors

XYZ(27.7220, 55.0482, 9.1643)

Have a look what the booklet for  
XYZ(27.7220, 55.0482, 9.1643)  
contains.

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# Color

**XYZ(27.7376, 55.0766,  
9.1689)**

# Conversions

## Conversions Part 1

Format	Color
Hex	13E300
RGB	19, 227, 0
RGB Percent	7%, 89%, 0%
CMY	0.9255, 0.1098, 0.9999
CMYK	0.92, 0.00, 1.00, 0.11
HSL	115°, 100%, 45%
HSV	115°, 100%, 89%
XYZ	27.7376, 55.0766, 9.1689
YIQ	138.9300, -51.1010, -114.6930

# Conversions

## Conversions Part 2

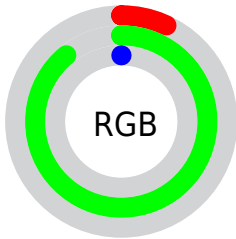
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 227, 208
Decimal	1303296
CIELab	79.09, -78.20, 76.28
CIELCh	79, 109.241, 135.713
Yxy	55.0766, 0.3016, 0.5988
Android (android.graphics.Color)	4279493376 (0xFF13E300)
YUV	138.9300, -68.4925, -105.1786
Hunter-Lab	74.2136, -63.1588, 44.6244

# Details

The XYZ color **27.7376, 55.0766, 9.1689** 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 **39.8884, 18.9619, 74.2337**, and the grayscale version is **24.7854, 26.0761, 28.3969**.

A 20% lighter version of the original color is **44.5099, 75.8367, 21.0961**, and **14.3747, 28.7495, 4.7916** is the 20% darker color. If you saturate the color by 10%, you get **27.7382, 55.0786, 9.1693**, and if you desaturate by 10%, it is **28.4895, 55.4483, 9.9975**.

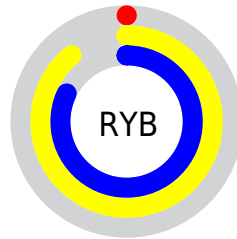
# Distribution



Red (7%)

Green (89%)

Blue (0%)



Red (0%)

Yellow (89%)

Blue (82%)

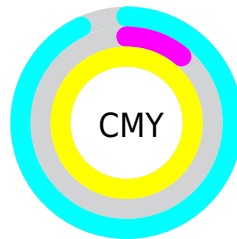


Cyan (92%)

Magenta (0%)

Yellow (100%)

Black (11%)



Cyan (93%)

Magenta (11%)


Yellow (100%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 27.7376, 55.0766, 9.1689 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 27.7376, 55.0766, 9.1689 by changing the saturation by 10% instead.





 27.7376, 55.0766,  
9.1689


 27.7376, 55.0766,  
9.1689


283.3138,  
406.2022, 194.8972


 18.2674, 39.4631,  
4.7532


 55.4768, 97.6532,  
24.8030

 11.2430, 27.1201,  
2.0470


 74.4765, 125.3850,  
36.8584

 6.2990, 17.6635,  
0.5840


 97.3835, 157.9250,  
52.2976

 3.0701, 10.7087,  
0.0000

 124.5630,  
195.6577, 71.5389

 1.1910, 5.8713,  
0.0000

 156.3804,  
238.9673, 95.0010

 0.0992, 2.7670,  
0.0000

 193.2011,

 0.0000, 1.0113,

288.2384, 123.1024

0.0000

235.3905,  
343.8552, 156.2616

■ 0.0000, 0.0000,  
0.0000

■ 27.7376, 55.0766,  
9.1689

■ 27.7376, 55.0766,  
9.1689

■ 27.7382, 55.0786,  
9.1693

■ 28.4895, 55.4483,  
9.9975

■ 29.8524, 56.1128,  
11.7837

■ 31.9460, 57.1267,  
14.8326

■ 34.8547, 58.5299,  
19.3197

■ 38.6513, 60.3567,  
25.3929

■ 43.4004, 62.6374,  
33.1817

■ 49.1606, 65.4000,  
42.8024

■ 55.9858, 68.6697,  
54.3609

■ 63.9261, 72.4704,  
67.9552

# Harmonies

## Analogous

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



41.8109, 55.0766, 2.7644



27.7376, 55.0766, 9.1689



21.3599, 55.0766, 34.9836

# Triad

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



27.7376, 55.0766, 9.1689



42.6835, 55.0766, 267.3062



103.8660, 55.0766, 33.0092

# Complementary

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



27.7376, 55.0766, 9.1689



39.8884, 18.9619, 74.2337

# 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.



104.2925, 55.0766, 94.6837



27.7376, 55.0766, 9.1689



64.5230, 55.0766, 265.2194

# Square

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



27.7376, 55.0766, 9.1689



28.2229, 55.0766, 193.2300



88.3944, 55.0766, 188.6623



87.3536, 55.0766, 8.5786



# Rectangle

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



27.7376, 55.0766, 9.1689



20.7677, 55.0766, 72.7123



88.3944, 55.0766, 188.6623



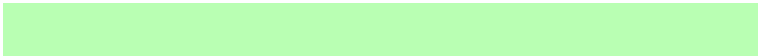
106.0224, 55.0766, 48.8091

# Sweetspot

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



27.7389, 55.0789, 9.1701



63.8280, 85.0555, 55.4364



53.3458, 59.6632, 8.7054



12.9479, 17.8631, 10.6686



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.



27.7389, 55.0789, 9.1701



36.0759, 71.6828, 11.9348



29.3511, 55.6928, 19.0595



14.3004, 16.1464, 15.2673



16.2157, 32.1410, 5.3492



1.2372, 2.3952, 0.3971



# Inverse Universe

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



39.8884, 18.9619, 74.2337



51.8798, 24.6599, 96.6332



36.1393, 18.1159, 24.9644



14.8701, 14.5508, 18.1692



23.3100, 11.0826, 43.2938

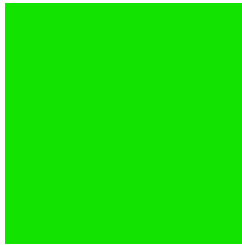


1.7578, 0.8371, 3.2009



# Previews

## White Background



This preview shows how the XYZ color 27.7376, 55.0766, 9.1689 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

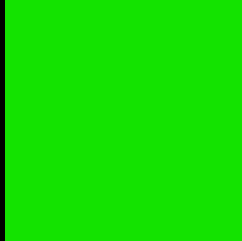
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 27.7376, 55.0766, 9.1689 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

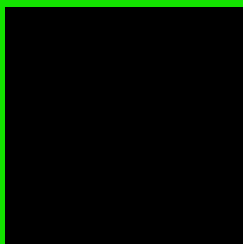
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 27.7376, 55.0766, 9.1689**

## **Background**



This preview shows how black text looks on a background with the XYZ color 27.7376, 55.0766, 9.1689.



This preview shows how white text looks on a background with the XYZ color 27.7376, 55.0766,



# 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

27.7376, 55.0766, 9.1689

### Protanopia

48.5052, 53.6436, 7.7978

### Deuteranopia

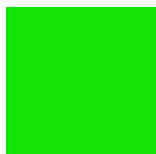
55.0031, 53.7358, 10.3788



## Tritanopia

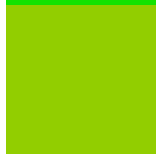
42.2276, 54.7314, 81.7374

# Trichromacy



## Original Color

27.7376, 55.0766, 9.1689



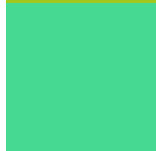
## Protanomaly

33.9254, 50.2536, 7.9119



## Deuteranomaly

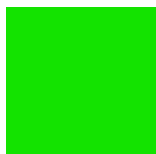
35.8019, 49.0889, 8.8845



## Tritanomaly

32.3779, 52.9353, 35.2991

# Monochromacy



## Original Color

27.7376, 55.0766, 9.1689



## Achromatopsia

24.5403, 25.8183, 28.1161



## Achromatomaly

21.0437, 32.2633, 14.3508

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 27.7376, 55.0766, 9.1689 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, 227, 0)` looks like.

```
.text, #text, p{  
    color:rgb(19, 227, 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(19, 227, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(19, 227, 0) }
```

## Border

The CSS property to change the border of an element to XYZ 27.7376, 55.0766, 9.1689 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, 227, 0) }
```



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

```
.border{ border-color:rgb(19, 227, 0) }
```

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

Here you see how a box with a 4 pixel rgb(19, 227, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(19, 227, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(19, 227, 0);  
box-shadow:4px 4px 4px 4px rgb(19, 227, 0)  
}
```

# Background

The CSS property to change the background color of an element to XYZ 27.7376, 55.0766, 9.1689 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(19, 227, 0) }
```

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

```
.background{ background-color: rgb(19, 227,  
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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