

Converting Colors

XYZ(27.7533, 55.0660, 9.1661)

Have a look what the booklet for
XYZ(27.7533, 55.0660, 9.1661)
contains.

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Color

**XYZ(27.7576, 55.0869,
9.1699)**

Conversions

Conversions Part 1

Format	Color
Hex	14E300
RGB	20, 227, 0
RGB Percent	8%, 89%, 0%
CMY	0.9216, 0.1098, 0.9999
CMYK	0.91, 0.00, 1.00, 0.11
HSL	115°, 100%, 45%
HSV	115°, 100%, 89%
XYZ	27.7576, 55.0869, 9.1699
YIQ	139.2290, -50.5050, -114.4810

Conversions

Conversions Part 2

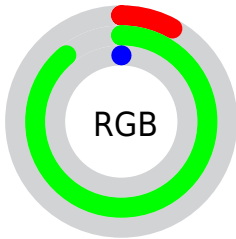
Format	Color
RYB	0, 227, 207
Decimal	1368832
CIELab	79.09, -78.15, 76.28
CIElCh	79, 109.207, 135.691
Yxy	55.0869, 0.3017, 0.5987
Android (android.graphics.Color)	4279558912 (0xFF14E300)
YUV	139.2290, -68.6399, -104.5638
Hunter-Lab	74.2205, -63.1291, 44.6291

Details

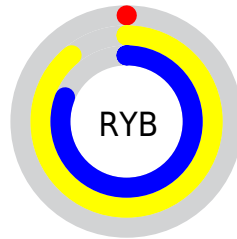
The XYZ color **27.7576, 55.0869, 9.1699** is a dark color, and the websafe version is hex **33FF33**. The color can be described as dark washed green. A complement of this color would be **39.6078, 18.8173, 74.2205**, and the grayscale version is **24.9021, 26.1990, 28.5307**.

A 20% lighter version of the original color is **44.6422, 75.9049, 21.1023**, and **14.3747, 28.7495, 4.7916** is the 20% darker color. If you saturate the color by 10%, you get **27.7581, 55.0888, 9.1702**, and if you desaturate by 10%, it is **28.5249, 55.4665, 9.9993**.

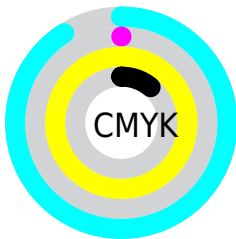
Distribution



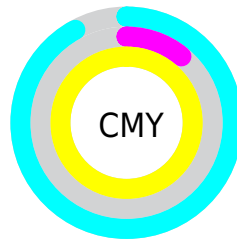
- Red (8%)
- Green (89%)
- Blue (0%)



- Red (0%)
- Yellow (89%)
- Blue (81%)



- Cyan (91%)
- Magenta (0%)
- Yellow (100%)
- Black (11%)





- Cyan (92%)
- Magenta (11%)
- Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 27.7576, 55.0869, 9.1699 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 27.7576, 55.0869, 9.1699 by changing the saturation by 10% instead.


 27.7576, 55.0869,
9.1699


 27.7576, 55.0869,
9.1699


283.4080,
406.2413, 194.9048


 18.2825, 39.4713,
4.7538


 55.5086, 97.6683,
24.8049


 11.2539, 27.1266,
2.0474


 74.5152, 125.4028,
36.8610

 6.3065, 17.6683,
0.5842


 97.4297, 157.9458,
52.3008

 3.0747, 10.7121,
0.0000

 124.6174,
195.6817, 71.5428

 1.1934, 5.8736,
0.0000

 156.4437,
238.9947, 95.0058

 0.1012, 2.7684,
0.0000

 193.2741,

 0.0000, 1.0120,

288.2694, 123.1080

0.0000

235.4737,
343.8901, 156.2682

■ 0.0000, 0.0000,
0.0000

■ 27.7576, 55.0869,
9.1699

■ 27.7576, 55.0869,
9.1699

■ 27.7581, 55.0888,
9.1702

■ 28.5249, 55.4665,
9.9993

■ 29.9019, 56.1383,
11.7863

■ 32.0069, 57.1582,
14.8358

■ 34.9235, 58.5654,
19.3234

■ 38.7235, 60.3939,
25.3970

■ 43.4708, 62.6737,
33.1859

■ 49.2236, 65.4324,
42.8064

■ 56.0350, 68.6951,
54.3644

■ 63.9547, 72.4852,
67.9580

Harmonies

Analogous

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



41.8360, 55.0869, 2.7688



27.7576, 55.0869, 9.1699



21.3744, 55.0869, 34.9660

Triad

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



27.7576, 55.0869, 9.1699



42.6810, 55.0869, 267.2077



103.8688, 55.0869, 33.0539

Complementary

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



27.7576, 55.0869, 9.1699



39.6078, 18.8173, 74.2205

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.



104.2817, 55.0869, 94.7483



27.7576, 55.0869, 9.1699



64.5120, 55.0869, 265.1876

Square

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



27.7576, 55.0869, 9.1699



28.2276, 55.0869, 193.1249



88.3789, 55.0869, 188.7030



87.3711, 55.0869, 8.5979

Rectangle

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



27.7576, 55.0869, 9.1699



20.7790, 55.0869, 72.6677



88.3789, 55.0869, 188.7030



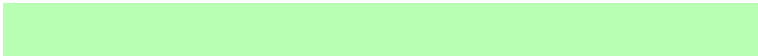
106.0201, 55.0869, 48.8629

Sweetspot

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



27.7589, 55.0892, 9.1711



63.9095, 85.0975, 55.4402



53.3459, 59.6633, 8.7055



12.9665, 17.8727, 10.6694



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.



27.7589, 55.0892, 9.1711



36.1006, 71.6956, 11.9359



29.3512, 55.6928, 19.0598



14.3063, 16.1494, 15.2676



16.2287, 32.1477, 5.3498



1.2400, 2.3966, 0.3972

Inverse Universe

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



39.6078, 18.8173, 74.2205



51.5123, 24.4705, 96.6160



36.1394, 18.1159, 24.9647



14.8635, 14.5474, 18.1689



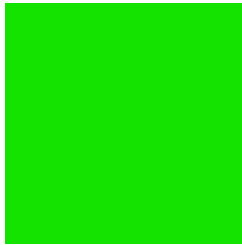
23.1486, 10.9994, 43.2862



1.7475, 0.8318, 3.2004

Previews

White Background



This preview shows how the XYZ color 27.7576, 55.0869, 9.1699 looks on a white background.

Color Contrast Check

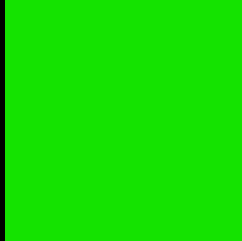
Large Text (above 18pt) WCAG AA × Fail

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 27.7576, 55.0869, 9.1699 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

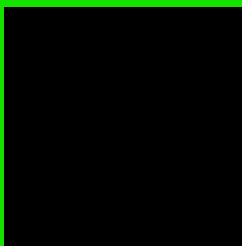
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

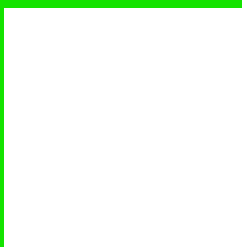
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 27.7576, 55.0869, 9.1699

Background



This preview shows how black text looks on a background with the XYZ color 27.7576, 55.0869, 9.1699.



This preview shows how white text looks on a background with the XYZ color 27.7576, 55.0869, 9.1699.

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

27.7576, 55.0869, 9.1699

Protanopia

48.5052, 53.6436, 7.7978

Deuteranopia

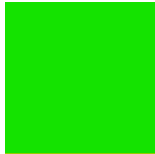
55.0031, 53.7358, 10.3788



Tritanopia

42.2276, 54.7314, 81.7374

Trichromacy



Original Color

27.7576, 55.0869, 9.1699



Protanomaly

34.1039, 50.3457, 7.9202



Deuteranomaly

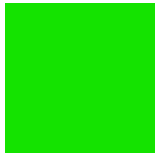
36.0059, 49.1940, 8.8940



Tritanomaly

32.3779, 52.9353, 35.2991

Monochromacy



Original Color

27.7576, 55.0869, 9.1699



Achromatopsia

24.5403, 25.8183, 28.1161



Achromatomaly

21.1482, 32.3172, 14.3557

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.7576, 55.0869, 9.1699 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(20, 227, 0)` looks like.

```
.text, #text, p{  
    color:rgb(20, 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(20, 227, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(20, 227, 0) }
```

Border

The CSS property to change the border of an element to XYZ 27.7576, 55.0869, 9.1699 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(20, 227, 0) }
```


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

```
.border{ border-color:rgb(20, 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(20, 227, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(20, 227, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(20, 227, 0);  
box-shadow:4px 4px 4px 4px rgb(20, 227, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 27.7576, 55.0869, 9.1699 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(20, 227, 0) }
```

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

```
.background{ background-color: rgb(20, 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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