

Converting Colors

XYZ(27.9957, 54.1619, 8.9788)

Have a look what the booklet for
XYZ(27.9957, 54.1619, 8.9788)
contains.

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Color

**XYZ(27.8746, 53.9397,
8.9423)**

Conversions

Conversions Part 1

Format	Color
Hex	30E000
RGB	48, 224, 0
RGB Percent	19%, 88%, 0%
CMY	0.8118, 0.1216, 0.9999
CMYK	0.79, 0.00, 1.00, 0.12
HSL	107°, 100%, 44%
HSV	107°, 100%, 88%
XYZ	27.8746, 53.9397, 8.9423
YIQ	145.8400, -32.9920, -106.9760

Conversions

Conversions Part 2

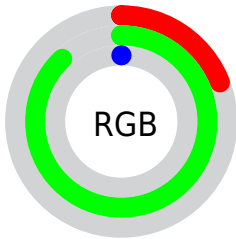
Format	Color
RYB	0, 224, 176
Decimal	3203072
CIELab	78.43, -74.82, 75.87
CIELCh	78, 106.553, 134.599
Yxy	53.9397, 0.3071, 0.5943
Android (android.graphics.Color)	4281393152 (0xFF30E000)
YUV	145.8400, -71.8991, -85.8057
Hunter-Lab	73.4437, -60.7790, 44.1916

Details

The XYZ color **27.8746, 53.9397, 8.9423** 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 **31.3677, 14.6168, 71.6920**, and the grayscale version is **27.5537, 28.9886, 31.5686**.

A 20% lighter version of the original color is **46.0439, 76.6275, 21.1679**, and **13.8187, 27.6374, 4.6062** is the 20% darker color. If you saturate the color by 10%, you get **27.8745, 53.9413, 8.9426**, and if you desaturate by 10%, it is **29.0259, 54.5176, 9.7742**.

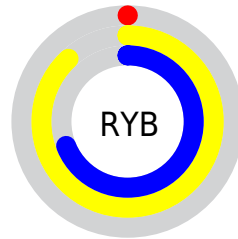
Distribution



Red (19%)

Green (88%)

Blue (0%)



Red (0%)

Yellow (88%)

Blue (69%)

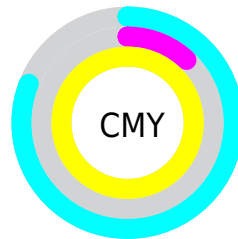


Cyan (79%)

Magenta (0%)

Yellow (100%)

Black (12%)



Cyan (81%)


Magenta (12%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 27.8746, 53.9397, 8.9423 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 27.8746, 53.9397, 8.9423 by changing the saturation by 10% instead.


 27.8746, 53.9397,
8.9423


 27.8746, 53.9397,
8.9423


283.9582,
401.8800, 193.1491


 18.3711, 38.5535,
4.6073


 55.6942, 95.9857,
24.3620

 11.3181, 26.4125,
1.9641


 74.7411, 123.4142,
36.2838

 6.3501, 17.1325,
0.5330


 97.6998, 155.6257,
51.5715

 3.1018, 10.3290,
0.0000

 124.9356,
193.0044, 70.6438

 1.2078, 5.6176,
0.0000

 156.8141,
235.9348, 93.9192

 0.1125, 2.6140,
0.0000

 193.7004,

 0.0000, 0.9337,

284.8013, 121.8161

0.0000

235.9600,
339.9882, 154.7533

■ 0.0000, 0.0000,
0.0000

■ 27.8746, 53.9397,
8.9423

■ 27.8746, 53.9397,
8.9423

■ 27.8745, 53.9413,
8.9426

■ 29.0259, 54.5176,
9.7742

■ 30.7126, 55.3500,
11.5305

■ 33.0222, 56.4772,
14.5075

■ 36.0138, 57.9259,
18.8737

■ 39.7388, 59.7195,
24.7713

■ 44.2437, 61.8793,
32.3249

■ 49.5708, 64.4248,
41.6463

■ 55.7594, 67.3738,
52.8375

■ 62.8460, 70.7432,
65.9928

Harmonies

Analogous

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



41.7739, 53.9397, 2.8947



27.8746, 53.9397, 8.9423



21.4222, 53.9397, 33.1212

Triad

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



27.8746, 53.9397, 8.9423



41.3011, 53.9397, 254.8115



100.9383, 53.9397, 34.1962

Complementary

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



27.8746, 53.9397, 8.9423



31.3677, 14.6168, 71.6920

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.



100.7094, 53.9397, 94.9868



27.8746, 53.9397, 8.9423



62.1016, 53.9397, 255.9237

Square

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



27.8746, 53.9397, 8.9423



27.6101, 53.9397, 182.6081



85.0553, 53.9397, 185.0488



85.6147, 53.9397, 9.2715

Rectangle

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



27.8746, 53.9397, 8.9423



20.6950, 53.9397, 68.4717



85.0553, 53.9397, 185.0488



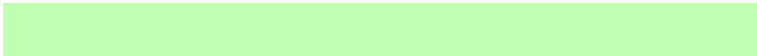
102.7880, 53.9397, 49.9612

Sweetspot

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



27.8758, 53.9420, 8.9435



66.3220, 86.3412, 55.5531



46.1648, 46.6938, 6.5805



13.5189, 18.1574, 10.6953



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.



27.8758, 53.9420, 8.9435



37.3145, 72.3214, 11.9928



27.5681, 53.6781, 13.6826



13.8018, 15.4780, 14.5669



16.3033, 31.4372, 5.2087



1.2054, 2.2179, 0.3646

Inverse Universe

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



31.3677, 14.6168, 71.6920



41.9725, 19.5525, 96.1696



37.1350, 18.4058, 35.1036



13.9927, 13.7798, 17.3100



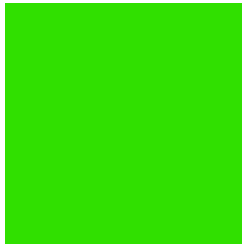
18.3568, 8.5586, 41.7328



1.3449, 0.6306, 2.8961

Previews

White Background



This preview shows how the XYZ color 27.8746, 53.9397, 8.9423 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 27.8746, 53.9397, 8.9423 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

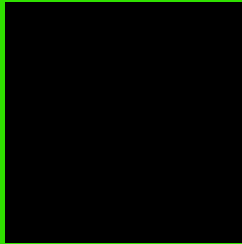
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 27.8746, 53.9397, 8.9423

Background



This preview shows how black text looks on a background with the XYZ color 27.8746, 53.9397, 8.9423.



This preview shows how white text looks on a background with the XYZ color 27.8746, 53.9397,

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

27.8746, 53.9397, 8.9423

Protanopia

47.6852, 52.8916, 7.6958

Deuteranopia

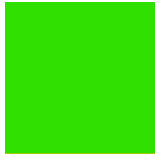
53.8794, 52.5465, 10.0991



Tritanopia

41.7400, 53.4316, 79.3476

Trichromacy



Original Color

27.8746, 53.9397, 8.9423



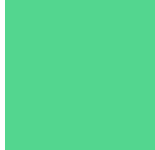
Protanomaly

35.3032, 50.2537, 7.8393



Deuteranomaly

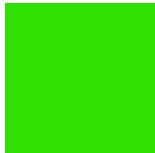
37.0082, 48.6894, 8.7438



Tritanomaly

32.5718, 51.9153, 34.2905

Monochromacy



Original Color

27.8746, 53.9397, 8.9423



Achromatopsia

27.3213, 28.7441, 31.3023



Achromatomaly

23.5422, 34.3774, 15.7506

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.8746, 53.9397, 8.9423 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(48, 224, 0)` looks like.

```
.text, #text, p{  
    color:rgb(48, 224, 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(48, 224, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(48, 224, 0) }
```

Border

The CSS property to change the border of an element to XYZ 27.8746, 53.9397, 8.9423 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(48, 224, 0) }
```


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

```
.border{ border-color:rgb(48, 224, 0) }
```

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

Here you see how a box with a 4 pixel rgb(48, 224, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(48, 224, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(48, 224, 0);  
box-shadow:4px 4px 4px 4px rgb(48, 224, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 27.8746, 53.9397, 8.9423 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(48, 224, 0) }
```

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

```
.background{ background-color: rgb(48, 224,  
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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