

Converting Colors

XYZ(28.5809, 56.2891, 9.4040)

Have a look what the booklet for
XYZ(28.5809, 56.2891, 9.4040)
contains.

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Color

**XYZ(28.5953, 56.3343,
9.4239)**

Conversions

Conversions Part 1

Format	Color
Hex	1FE502
RGB	31, 229, 2
RGB Percent	12%, 90%, 1%
CMY	0.8784, 0.1019, 0.9920
CMYK	0.86, 0.00, 0.99, 0.10
HSL	112°, 98%, 45%
HSV	112°, 99%, 90%
XYZ	28.5953, 56.3343, 9.4239
YIQ	143.9200, -45.1410, -112.5730

Conversions

Conversions Part 2

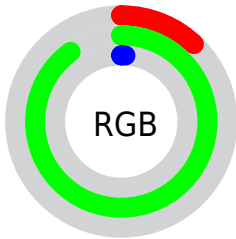
Format	Color
R_{YB}	2, 229, 200
Decimal	2090242
CIE _{Lab}	79.80, -77.91, 76.71
CIE _{LCh}	80, 109.339, 135.446
Yxy	56.3343, 0.3031, 0.5971
Android (android.graphics.Color)	4280280322 (0xFF1FE502)
YUV	143.9200, -69.9666, -99.0308
Hunter-Lab	75.0562, -63.3424, 45.0950

Details

The XYZ color **28.5953, 56.3343, 9.4239** 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 **37.9945, 17.9858, 75.6008**, and the grayscale version is **26.7654, 28.1593, 30.6654**.

A 20% lighter version of the original color is **45.2260, 76.2012, 21.3415**, and **14.7525, 29.5050, 4.9175** is the 20% darker color. If you saturate the color by 10%, you get **28.5336, 56.3054, 9.3642**, and if you desaturate by 10%, it is **29.5592, 56.8140, 10.3241**.

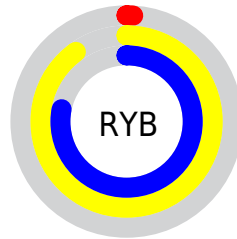
Distribution



Red (12%)

Green (90%)

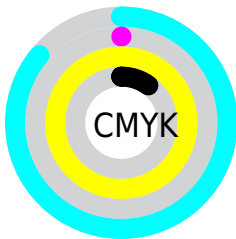
Blue (1%)



Red (1%)

Yellow (90%)

Blue (78%)

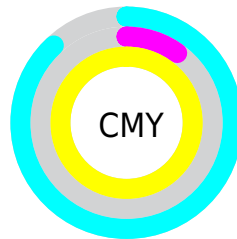


Cyan (86%)

Magenta (0%)

Yellow (99%)

Black (10%)



Cyan (88%)


Magenta (10%)


Yellow (99%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 28.5953, 56.3343, 9.4239 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 28.5953, 56.3343, 9.4239 by changing the saturation by 10% instead.

 28.5953, 56.3343,
9.4239


 28.5953, 56.3343,
9.4239


287.3294,
410.9501, 196.8425


 18.9176, 40.4710,
4.9181


 56.8355, 99.4932,
25.2968

 11.7144, 27.9060,
2.1414


 76.1287, 127.5576,
37.5010

 6.6203, 18.2548,
0.6403


 99.3579, 160.4578,
53.1083

 3.2700, 11.1331,
0.0000

 126.8882,
198.5783, 72.5375

 1.2981, 6.1564,
0.0000

 159.0852,
242.3033, 96.2069

 0.1818, 2.9404,
0.0000

 196.3142,

 0.0000, 1.1007,

292.0174, 124.5352

0.0000

238.9405,
348.1049, 157.9409

■ 0.0000, 0.0000,
0.0000

■ 28.5953, 56.3343,
9.4239

■ 28.5953, 56.3343,
9.4239

■ 28.5336, 56.3054,
9.3642

■ 29.5592, 56.8140,
10.3241

■ 31.1456, 57.5908,
12.2527

■ 33.4568, 58.7131,
15.4856

■ 36.5685, 60.2161,
20.1988

■ 40.5465, 62.1306,
26.5412

■ 45.4497, 64.4840,
34.6434

■ 51.3319, 67.3016,
44.6229

■ 58.2427, 70.6066,
56.5870

■ 66.2281, 74.4206,
70.6350

Harmonies

Analogous

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



42.9969, 56.3343, 2.9089



28.5953, 56.3343, 9.4239



22.0262, 56.3343, 35.5378

Triad

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



28.5953, 56.3343, 9.4239



43.5513, 56.3343, 270.9072



105.8924, 56.3343, 34.2812

Complementary

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



28.5953, 56.3343, 9.4239



37.9945, 17.9858, 75.6008

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.



106.1624, 56.3343, 97.3229



28.5953, 56.3343, 9.4239



65.6887, 56.3343, 269.5894

Square

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



28.5953, 56.3343, 9.4239



28.9043, 56.3343, 195.5156



89.9294, 56.3343, 192.6287



89.2701, 56.3343, 9.0448

Rectangle

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



28.5953, 56.3343, 9.4239



21.3838, 56.3343, 73.6393



89.9294, 56.3343, 192.6287



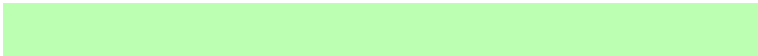
108.0243, 56.3343, 50.4899

Sweetspot

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



28.5966, 56.3366, 9.4252



64.6502, 85.4793, 55.4749



52.6894, 57.3909, 8.3588



13.1353, 17.9597, 10.6773



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.



28.5966, 56.3366, 9.4252



36.3727, 71.8359, 11.9487



29.6957, 56.7139, 18.0291



14.3594, 16.1768, 15.2701



16.3684, 32.2197, 5.3563



1.2653, 2.4097, 0.3984

Inverse Universe

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



37.9945, 17.9858, 75.6008



48.3138, 22.8215, 96.4663



37.5077, 18.7713, 28.7510



14.8046, 14.5170, 18.1661



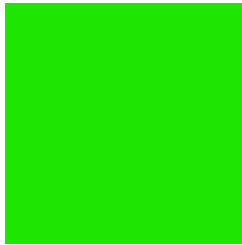
21.7421, 10.2743, 43.2204



1.6575, 0.7854, 3.1962

Previews

White Background



This preview shows how the XYZ color 28.5953, 56.3343, 9.4239 looks on a white background.

Color Contrast Check

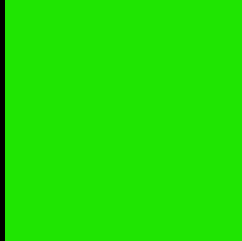
Large Text (above 18pt) WCAG AA × Fail

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 28.5953, 56.3343, 9.4239 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

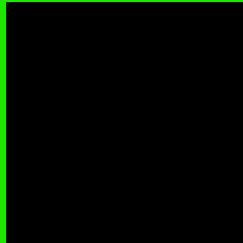
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 28.5953, 56.3343, 9.4239

Background



This preview shows how black text looks on a background with the XYZ color 28.5953, 56.3343, 9.4239.



This preview shows how white text looks on a background with the XYZ color 28.5953, 56.3343,

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

28.5953, 56.3343, 9.4239

Protanopia

49.5587, 54.8520, 7.9755

Deuteranopia

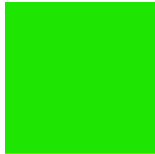
56.1407, 54.9409, 10.6633



Tritanopia

43.3327, 56.0110, 83.3902

Trichromacy



Original Color

28.5953, 56.3343, 9.4239



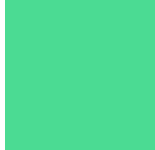
Protanomaly

35.5102, 51.7893, 8.1535



Deuteranomaly

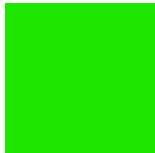
37.5435, 50.6757, 9.2415



Tritanomaly

33.4996, 54.2655, 36.3124

Monochromacy



Original Color

28.5953, 56.3343, 9.4239



Achromatopsia

26.5089, 27.8894, 30.3716



Achromatomaly

22.8553, 34.3162, 15.5443

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.5953, 56.3343, 9.4239 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(31, 229, 2)` looks like.

```
.text, #text, p{  
    color:rgb(31, 229, 2)  
}
```

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(31, 229, 2) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(31, 229, 2) }
```

Border

The CSS property to change the border of an element to XYZ 28.5953, 56.3343, 9.4239 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(31, 229, 2) }
```


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

```
.border{ border-color:rgb(31, 229, 2) }
```

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

Here you see how a box with a 4 pixel rgb(31, 229, 2) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(31, 229, 2); -webkit-box-  
shadow:4px 4px 4px 4px rgb(31, 229, 2);  
box-shadow:4px 4px 4px 4px rgb(31, 229, 2)  
}
```

Background

The CSS property to change the background color of an element to XYZ 28.5953, 56.3343, 9.4239 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(31, 229, 2) }
```

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

```
.background{ background-color: rgb(31, 229,  
2) }
```

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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