

Converting Colors

XYZ(29.7593, 56.5202, 9.6953)

Have a look what the booklet for
XYZ(29.7593, 56.5202, 9.6953)
contains.

XYZ(29.7342, 56.5054, 9.6873)	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(29.7342, 56.5054,
9.6873)**

Conversions

Conversions Part 1

Format	Color
Hex	3DE40C
RGB	61, 228, 12
RGB Percent	24%, 89%, 5%
CMY	0.7608, 0.1059, 0.9528
CMYK	0.73, 0.00, 0.95, 0.11
HSL	106°, 90%, 47%
HSV	106°, 95%, 89%
XYZ	29.7342, 56.5054, 9.6873
YIQ	153.4430, -30.1960, -102.5800

Conversions

Conversions Part 2

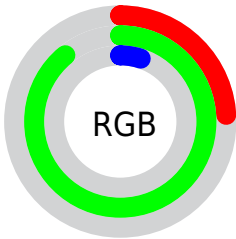
Format	Color
RYB	12, 228, 179
Decimal	4056076
CIELab	79.90, -73.94, 76.06
CIELCh	80, 106.078, 134.190
Yxy	56.5054, 0.3100, 0.5890
Android (android.graphics.Color)	4282246156 (0xFF3DE40C)
YUV	153.4430, -69.7314, -81.0725
Hunter-Lab	75.1701, -60.9403, 44.9782

Details

The XYZ color **29.7342, 56.5054, 9.6873** is a dark color, and the websafe version is hex **66FF33**. The color can be described as dark washed green. A complement of this color would be **32.7337, 15.4527, 74.6592**, and the grayscale version is **30.7785, 32.3814, 35.2634**.

A 20% lighter version of the original color is **47.4370, 77.3265, 22.0982**, and **14.5629, 29.1258, 4.8543** is the 20% darker color. If you saturate the color by 10%, you get **29.1453, 56.2112, 9.3137**, and if you desaturate by 10%, it is **31.2391, 57.2558, 10.9817**.

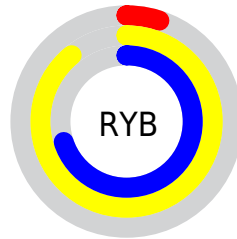
Distribution



Red (24%)

Green (89%)

Blue (5%)



Red (5%)

Yellow (89%)

Blue (70%)

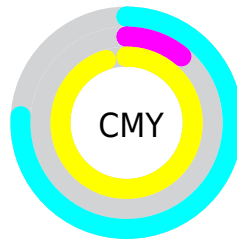


Cyan (73%)

Magenta (0%)

Yellow (95%)

Black (11%)



Cyan (76%)


Magenta (11%)


Yellow (95%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 29.7342, 56.5054, 9.6873 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 29.7342, 56.5054, 9.6873 by changing the saturation by 10% instead.


 29.7342, 56.5054,
9.6873


 29.7342, 56.5054,
9.6873


292.5956,
411.5934, 198.8285


 19.7840, 40.6083,
5.0892


 58.6311, 99.7431,
25.8042

 12.3455, 28.0131,
2.2401


 78.3085, 127.8525,
38.1601

 7.0533, 18.3356,
0.6973


 101.9590,
160.8015, 53.9391

 3.5421, 11.1912,
0.0000

 129.9480,
198.9744, 73.5597

 1.4465, 6.1956,
0.0000

 162.6408,
242.7557, 97.4404

 0.2890, 2.9644,
0.0000

 200.4027,

 0.0000, 1.1132,

292.5296, 125.9997

0.0000

243.5992,
348.6807, 159.6562

■ 0.0000, 0.0000,
0.0000

■ 29.7342, 56.5054,
9.6873

■ 29.7342, 56.5054,
9.6873

■ 29.1453, 56.2112,
9.3137

■ 31.2391, 57.2558,
10.9817

■ 33.3502, 58.2917,
13.4472

■ 36.1336, 59.6447,
17.2808

■ 39.6453, 61.3400,
22.6425

■ 43.9345, 63.4000,
29.6704

■ 49.0461, 65.8454,
38.4869

■ 55.0216, 68.6948,
49.2031

■ 61.8994, 71.9661,
61.9211

■ 69.7155, 75.6756,
76.7356

Harmonies

Analogous

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



44.1952, 56.5054, 3.3236



29.7342, 56.5054, 9.6873



22.9385, 56.5054, 34.5737

Triad

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



29.7342, 56.5054, 9.6873



43.2112, 56.5054, 260.2597



104.5916, 56.5054, 36.8227

Complementary

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



29.7342, 56.5054, 9.6873



32.7337, 15.4527, 74.6592

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.



104.1205, 56.5054, 99.7537



29.7342, 56.5054, 9.6873



64.4934, 56.5054, 262.5325

Square

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



29.7342, 56.5054, 9.6873



29.1804, 56.5054, 186.4766



87.9897, 56.5054, 191.4781



89.1433, 56.5054, 10.3940

Rectangle

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



29.7342, 56.5054, 9.6873



22.1239, 56.5054, 70.5887



87.9897, 56.5054, 191.4781



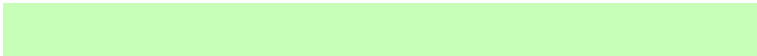
106.3970, 56.5054, 53.2720

Sweetspot

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



29.7355, 56.5078, 9.6886



68.1332, 87.2144, 58.3709



47.9055, 48.2069, 7.1287



13.8742, 18.3293, 11.2250



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.



29.7355, 56.5078, 9.6886



37.4945, 72.4142, 12.0012



28.9901, 56.0048, 15.0139



14.4935, 16.2460, 15.2763



16.9137, 32.5008, 5.3818



1.3294, 2.4427, 0.4014

Inverse Universe

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



32.7337, 15.4527, 74.6592



41.1229, 19.1145, 96.1298



39.4226, 19.6761, 39.9541



14.6587, 14.4418, 18.1593



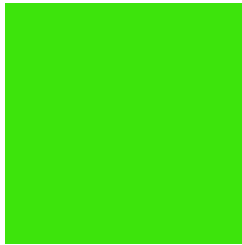
18.5716, 8.6399, 43.0720



1.4508, 0.6789, 3.1865

Previews

White Background



This preview shows how the XYZ color 29.7342, 56.5054, 9.6873 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 29.7342, 56.5054, 9.6873 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

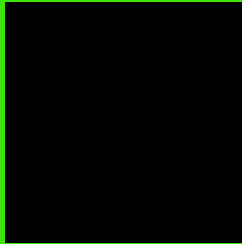
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

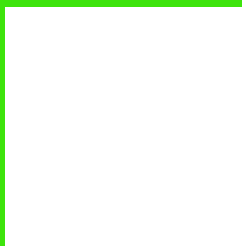
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 29.7342, 56.5054, 9.6873

Background



This preview shows how black text looks on a background with the XYZ color 29.7342, 56.5054, 9.6873.



This preview shows how white text looks on a background with the XYZ color 29.7342, 56.5054,

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

29.7342, 56.5054, 9.6873

Protanopia

49.7850, 55.3047, 8.0509

Deuteranopia

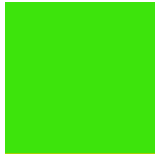
56.4924, 55.1223, 10.6798



Tritanopia

44.1167, 56.0591, 82.6240

Trichromacy



Original Color

29.7342, 56.5054, 9.6873



Protanomaly

37.6820, 52.9070, 8.3409



Deuteranomaly

39.7955, 51.4844, 9.5091



Tritanomaly

34.9901, 54.6201, 37.5527

Monochromacy



Original Color

29.7342, 56.5054, 9.6873



Achromatopsia

30.2779, 31.8547, 34.6897



Achromatomaly

26.4653, 37.5949, 18.4320

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.7342, 56.5054, 9.6873 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(61, 228, 12)` looks like.

```
.text, #text, p{  
    color:rgb(61, 228, 12)  
}
```

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(61, 228, 12) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(61, 228, 12) }
```

Border

The CSS property to change the border of an element to XYZ 29.7342, 56.5054, 9.6873 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(61, 228, 12) }
```


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

```
.border{ border-color:rgb(61, 228, 12) }
```

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

Here you see how a box with a 4 pixel `rgb(61, 228, 12)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(61, 228, 12); -webkit-box-  
shadow:4px 4px 4px 4px rgb(61, 228, 12);  
box-shadow:4px 4px 4px 4px rgb(61, 228,  
12) }
```

Background

The CSS property to change the background color of an element to XYZ 29.7342, 56.5054, 9.6873 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(61, 228, 12) }
```

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

```
.background{ background-color: rgb(61, 228,  
12) }
```

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