

Converting Colors

XYZ(29.5364, 56.2713, 15.7346)

Have a look what the booklet for
XYZ(29.5364, 56.2713, 15.7346)
contains.

XYZ(29.5445, 56.2725, 15.7831)	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(29.5445, 56.2725,
15.7831)**

Conversions

Conversions Part 1

Format	Color
Hex	1FE44A
RGB	31, 228, 74
RGB Percent	12%, 89%, 29%
CMY	0.8784, 0.1059, 0.7098
CMYK	0.86, 0.00, 0.68, 0.11
HSL	133°, 78%, 51%
HSV	133°, 86%, 89%
XYZ	29.5445, 56.2725, 15.7831
YIQ	151.5410, -67.9780, -89.6580

Conversions

Conversions Part 2

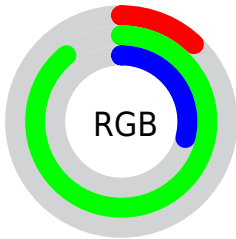
Format	Color
R_{YB}	31, 193, 228
Decimal	2090058
CIE _{Lab}	79.77, -74.10, 60.06
CIE _{LCh}	80, 95.378, 140.974
Yxy	56.2725, 0.2908, 0.5539
Android (android.graphics.Color)	4280280138 (0xFF1FE44A)
YUV	151.5410, -38.2277, -105.7145
Hunter-Lab	75.0150, -60.9744, 40.0359

Details

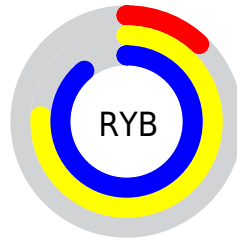
The XYZ color **29.5445, 56.2725, 15.7831** is a dark color, and the websafe version is hex **00CC33**. The color can be described as dark washed green. A complement of this color would be **41.2433, 20.9775, 47.7748**, and the grayscale version is **29.8289, 31.3823, 34.1754**.

A 20% lighter version of the original color is **47.0586, 76.8869, 33.1293**, and **14.5739, 29.1302, 4.9120** is the 20% darker color. If you saturate the color by 10%, you get **28.5654, 55.8292, 13.0353**, and if you desaturate by 10%, it is **31.1795, 57.0375, 19.4520**.

Distribution



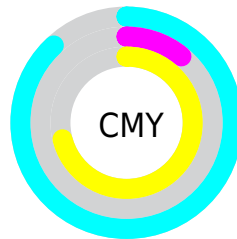
- Red (12%)
- Green (89%)
- Blue (29%)



- Red (12%)
- Yellow (76%)
- Blue (89%)



- Cyan (86%)
- Magenta (0%)
- Yellow (68%)
- Black (11%)



- Cyan (88%)
- Magenta (11%)
- Yellow (71%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.5445, 56.2725, 15.7831 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 29.5445, 56.2725, 15.7831 by changing the saturation by 10% instead.

■ 29.5445, 56.2725,
15.7831

■ 29.5445, 56.2725,
15.7831

291.7235,
410.7176, 239.8603

■ 19.6395, 40.4214,
9.2181

■ 58.3327, 99.4029,
36.9828

■ 12.2400, 27.8673,
4.7850

■ 77.9465, 127.4510,
52.4546

■ 6.9807, 18.2256,
2.0651

■ 101.5273,
160.3336, 71.7323

■ 3.4963, 11.1121,
0.5949

■ 129.4405,
198.4351, 95.2347

■ 1.4213, 6.1423,
0.0000

■ 162.0513,
242.1398, 123.3801

■ 0.2713, 2.9318,
0.0000

199.7252,

■ 0.0000, 1.0962,

291.8322, 156.5871

0.0000

242.8275,
347.8967, 195.2743

■ 0.0000, 0.0000,
0.0000

■ 29.5445, 56.2725,
15.7831

■ 29.5445, 56.2725,
15.7831

■ 28.5654, 55.8292,
13.0353

■ 31.1795, 57.0375,
19.4520


■ 28.3153, 55.7173,
12.2539


■ 33.5687, 58.1685,
24.1111

■ 36.7961, 59.7092,
29.8271


■ 40.9333, 61.6950,
36.6599

■ 46.0441, 64.1578,
44.6646

 52.1862, 67.1263,
53.8928

 59.4131, 70.6270,
64.3931

 67.7742, 74.6844,
76.2112

 77.3160, 79.3215,
89.3908

Harmonies

Analogous

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



41.2823, 56.2725, 5.9886



29.5445, 56.2725, 15.7831



24.5901, 56.2725, 46.0772

Triad

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



29.5445, 56.2725, 15.7831



47.8771, 56.2725, 237.3316



96.1088, 56.2725, 30.5825

Complementary

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



29.5445, 56.2725, 15.7831



41.2433, 20.9775, 47.7748

Split Complementary

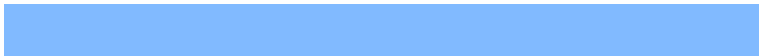
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



99.0911, 56.2725, 79.4844



29.5445, 56.2725, 15.7831



67.8833, 56.2725, 223.5016

Square

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



29.5445, 56.2725, 15.7831



33.3723, 56.2725, 186.3064



87.7656, 56.2725, 155.3946



80.3911, 56.2725, 10.2642

Rectangle

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



29.5445, 56.2725, 15.7831



24.7207, 56.2725, 83.7867



87.7656, 56.2725, 155.3946



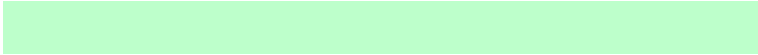
98.7614, 56.2725, 43.2005

Sweetspot

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



29.5458, 56.2748, 15.7844



67.4720, 86.6205, 69.7710



48.0768, 65.9421, 11.4907



13.8154, 18.2374, 14.0044



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.



29.5458, 56.2748, 15.7844



36.4656, 71.8022, 15.6356



35.7740, 58.7661, 48.5814



14.3175, 16.1404, 15.9365



16.3857, 32.1864, 7.2653



1.2450, 2.3921, 0.7168

Inverse Universe

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



41.2433, 20.9775, 47.7748



51.5880, 25.3992, 56.4216



34.1991, 18.1599, 10.6809



14.8533, 14.5585, 17.4281



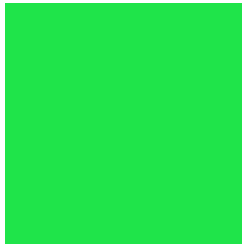
23.1745, 11.4040, 25.6116



1.7460, 0.8561, 2.0689

Previews

White Background



This preview shows how the XYZ color 29.5445, 56.2725, 15.7831 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 29.5445, 56.2725, 15.7831 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

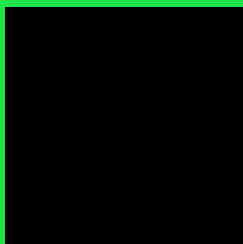
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

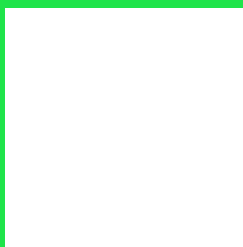
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 29.5445, 56.2725, 15.7831

Background



This preview shows how black text looks on a background with the XYZ color 29.5445, 56.2725, 15.7831.

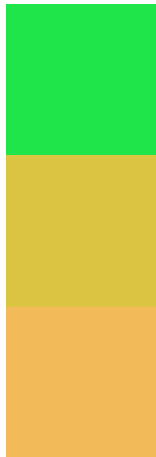


This preview shows how white text looks on a background with the XYZ color 29.5445, 56.2725,

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

29.5445, 56.2725, 15.7831

Protanopia

49.9075, 54.9216, 12.9715

Deuteranopia

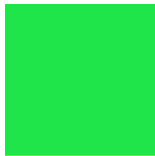
55.9383, 54.6996, 16.8423



Tritanopia

42.9010, 55.7885, 83.3700

Trichromacy



Original Color

29.5445, 56.2725, 15.7831



Protanomaly

36.3618, 52.1084, 13.6103



Deuteranomaly

37.9650, 50.3972, 15.9103



Tritanomaly

35.2867, 54.5377, 48.2022

Monochromacy



Original Color

29.5445, 56.2725, 15.7831



Achromatopsia

29.8446, 31.3989, 34.1934



Achromatomaly

26.1437, 37.2859, 24.8878

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.5445, 56.2725, 15.7831 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, 228, 74)` looks like.

```
.text, #text, p{  
    color:rgb(31, 228, 74)  
}
```

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, 228, 74) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(31, 228, 74) }
```

Border

The CSS property to change the border of an element to XYZ 29.5445, 56.2725, 15.7831 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, 228, 74) }
```


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

```
.border{ border-color:rgb(31, 228, 74) }
```

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

Here you see how a box with a 4 pixel rgb(31, 228, 74) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(31, 228, 74); -webkit-box-  
shadow:4px 4px 4px 4px rgb(31, 228, 74);  
box-shadow:4px 4px 4px 4px rgb(31, 228,  
74) }
```

Background

The CSS property to change the background color of an element to XYZ 29.5445, 56.2725, 15.7831 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(31, 228, 74) }
```

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

```
.background{ background-color: rgb(31, 228,  
74) }
```

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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