

Converting Colors

XYZ(15.2760, 27.1837, 7.3274)

Have a look what the booklet for
XYZ(15.2760, 27.1837, 7.3274)
contains.

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Color

**XYZ(15.3389, 27.2860,
7.3640)**

Conversions

Conversions Part 1

Format	Color
Hex	39A331
RGB	57, 163, 49
RGB Percent	22%, 64%, 19%
CMY	0.7765, 0.3608, 0.8078
CMYK	0.65, 0.00, 0.70, 0.36
HSL	116°, 54%, 42%
HSV	116°, 70%, 64%
XYZ	15.3389, 27.2860, 7.3640
YIQ	118.3100, -26.5820, -57.9260

Conversions

Conversions Part 2

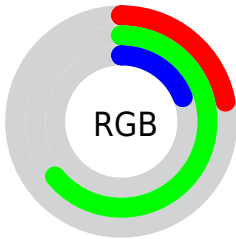
Format	Color
R_{YB}	49, 163, 155
Decimal	3777329
CIE Lab	59.24, -52.08, 48.24
CIE LCh	59, 70.986, 137.195
Yxy	27.2860, 0.3068, 0.5458
Android (android.graphics.Color)	4281967409 (0xFF39A331)
YUV	118.3100, -34.1698, -53.7689
Hunter-Lab	52.2360, -38.9972, 28.2068

Details

The XYZ color **15.3389, 27.2860, 7.3640** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **21.2285, 11.8106, 35.8126**, and the grayscale version is **17.4277, 18.3353, 19.9671**.

A 20% lighter version of the original color is **35.0166, 55.3845, 21.1566**, and **5.5759, 11.1519, 1.8586** is the 20% darker color. If you saturate the color by 10%, you get **14.3166, 26.7926, 5.8341**, and if you desaturate by 10%, it is **16.7449, 27.9644, 9.5625**.

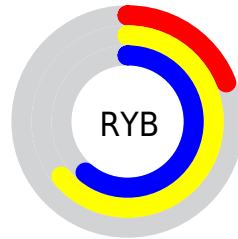
Distribution



Red (22%)

Green (64%)

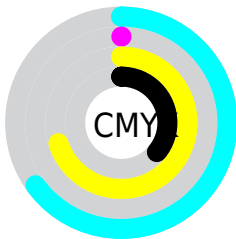
Blue (19%)



Red (19%)

Yellow (64%)

Blue (61%)

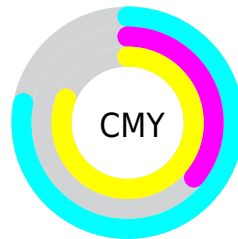


Cyan (65%)

Magenta (0%)

Yellow (70%)

Black (36%)



Cyan (78%)


Magenta (36%)


Yellow (81%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 15.3389, 27.2860, 7.3640 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 15.3389, 27.2860, 7.3640 by changing the saturation by 10% instead.


 15.3389, 27.2860,
7.3640


 15.3389, 27.2860,
7.3640


218.7564,
289.0392, 180.3990


 9.1454, 17.7881,
3.6089


 35.0134, 55.3425,
21.2270


 4.8940, 10.7980,
1.4133


 49.2252, 74.6699,
32.1720

 2.2193, 5.9312,
0.1521

 66.8404, 98.0425,
46.3508

 0.7529, 2.8033,
0.0000

 88.2245, 125.8449,
64.1817

 0.0000, 1.0299,
0.0000

 113.7428,
158.4614, 86.0835

 0.0000, 0.0000,
0.0000

 143.7606,

196.2763, 112.4746

178.6434,
239.6741, 143.7736

■ 15.3389, 27.2860,
7.3640

■ 15.3389, 27.2860,
7.3640

■ 14.3166, 26.7926,
5.8341

■ 16.7449, 27.9644,
9.5625

■ 13.6381, 26.4629,
4.8952

■ 18.5656, 28.8401,
12.4921

■ 13.2434, 26.2705,
4.3757

■ 20.8309, 29.9279,
16.2105

■ 13.2416, 26.2696,
4.3726

■ 23.5675, 31.2406,
20.7687

■ 26.7999, 32.7899,
26.2139

■ 30.5512, 34.5865,
32.5895

■ 34.8426, 36.6406,
39.9361

■ 39.6944, 38.9619,
48.2918

■ 45.1259, 41.5594,
57.6930

Harmonies

Analogous

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



21.2186, 27.2860, 3.2292



15.3389, 27.2860, 7.3640



12.6201, 27.2860, 20.1583

Triad

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



15.3389, 27.2860, 7.3640



22.3403, 27.2860, 107.1642



45.8428, 27.2860, 17.4976

Complementary

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



15.3389, 27.2860, 7.3640



21.2285, 11.8106, 35.8126

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.



46.3383, 27.2860, 41.8833



15.3389, 27.2860, 7.3640



31.3021, 27.2860, 104.9055

Square

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



15.3389, 27.2860, 7.3640



15.9982, 27.2860, 81.7835



40.5433, 27.2860, 76.7024



39.3132, 27.2860, 6.3698

Rectangle

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



15.3389, 27.2860, 7.3640



12.4419, 27.2860, 36.2473



40.5433, 27.2860, 76.7024



46.7657, 27.2860, 24.0098

Sweetspot

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



15.3395, 27.2871, 7.3646



47.0970, 58.2916, 45.4271



27.1331, 30.9562, 7.4512



10.2255, 12.9232, 9.6080



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



15.3395, 27.2871, 7.3646



24.8847, 47.6155, 9.3823



16.4991, 27.7024, 15.6658



7.0295, 7.9177, 7.5379



10.3066, 20.4237, 3.3990



0.2296, 0.4358, 0.0720

Inverse Universe

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



21.2285, 11.8106, 35.8126



36.0086, 18.0388, 63.6401



19.3269, 11.2332, 17.5215



7.3151, 7.1768, 8.9028



15.1545, 7.2189, 27.5244



0.3320, 0.1587, 0.5790

Previews

White Background



This preview shows how the XYZ color 15.3389, 27.2860, 7.3640 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 15.3389, 27.2860, 7.3640 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 × Fail

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

XYZ 15.3389, 27.2860, 7.3640

Background



This preview shows how black text looks on a background with the XYZ color 15.3389, 27.2860, 7.3640.



This preview shows how white text looks on a background with the XYZ color 15.3389, 27.2860,

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

15.3389, 27.2860, 7.3640

Protanopia

24.4071, 26.8913, 6.1897

Deuteranopia

27.3579, 26.8738, 7.8829



Tritanopia

21.7661, 27.1044, 39.6818

Trichromacy



Original Color

15.3389, 27.2860, 7.3640

Protanomaly

19.4060, 26.1397, 6.5053

Deuteranomaly

20.4879, 25.5132, 7.4591

Tritanomaly

18.3653, 26.7029, 22.9251

Monochromacy



Original Color

15.3389, 27.2860, 7.3640

Achromatopsia

17.2197, 18.1164, 19.7288

Achromatomaly

15.3248, 20.3273, 13.4718

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.3389, 27.2860, 7.3640 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(57, 163, 49)` looks like.

```
.text, #text, p{  
    color:rgb(57, 163, 49)  
}
```

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(57, 163, 49) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(57, 163, 49) }
```

Border

The CSS property to change the border of an element to XYZ 15.3389, 27.2860, 7.3640 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(57, 163, 49) }
```


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

```
.border{ border-color:rgb(57, 163, 49) }
```

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

Here you see how a box with a 4 pixel `rgb(57, 163, 49)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(57, 163, 49); -webkit-box-  
shadow:4px 4px 4px 4px rgb(57, 163, 49);  
box-shadow:4px 4px 4px 4px rgb(57, 163,  
49) }
```

Background

The CSS property to change the background color of an element to XYZ 15.3389, 27.2860, 7.3640 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(57, 163, 49) }
```

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

```
.background{ background-color: rgb(57, 163,  
49) }
```

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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