

Converting Colors

XYZ(15.8215, 28.3349, 7.5410)

Have a look what the booklet for
XYZ(15.8215, 28.3349, 7.5410)
contains.

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Color

**XYZ(15.8215, 28.3349,
7.5410)**

Conversions

Conversions Part 1

Format	Color
Hex	38A631
RGB	56, 166, 49
RGB Percent	22%, 65%, 19%
CMY	0.7804, 0.3490, 0.8078
CMYK	0.66, 0.00, 0.70, 0.35
HSL	116°, 54%, 42%
HSV	116°, 70%, 65%
XYZ	15.8215, 28.3349, 7.5410
YIQ	119.7720, -28.0030, -59.7070

Conversions

Conversions Part 2

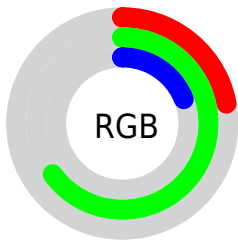
Format	Color
R_{YB}	49, 166, 159
Decimal	3712561
CIE _{Lab}	60.19, -53.36, 49.23
CIE _{LCh}	60, 72.599, 137.305
Yxy	28.3349, 0.3060, 0.5481
Android (android.graphics.Color)	4281902641 (0xFF38A631)
YUV	119.7720, -34.8906, -55.9280
Hunter-Lab	53.2305, -40.0986, 28.8620

Details

The XYZ color **15.8215, 28.3349, 7.5410** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **22.2808, 12.3217, 37.2818**, and the grayscale version is **17.8948, 18.8267, 20.5023**.

A 20% lighter version of the original color is **35.8557, 56.9838, 21.6796**, and **5.9051, 11.8103, 1.9684** is the 20% darker color. If you saturate the color by 10%, you get **14.7934, 27.8391, 5.9892**, and if you desaturate by 10%, it is **17.2519, 29.0249, 9.7864**.

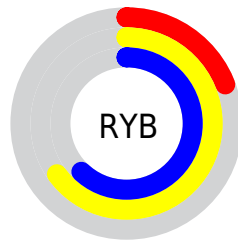
Distribution



Red (22%)

Green (65%)

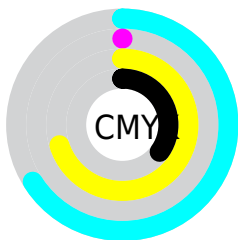
Blue (19%)



Red (19%)

Yellow (65%)

Blue (62%)

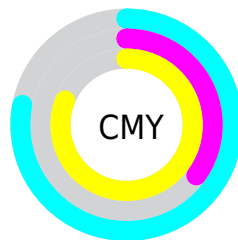


Cyan (66%)

Magenta (0%)

Yellow (70%)

Black (35%)



Cyan (78%)


Magenta (35%)


Yellow (81%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 15.8215, 28.3349, 7.5410 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 15.8215, 28.3349, 7.5410 by changing the saturation by 10% instead.


 15.8215, 28.3349,
7.5410

 15.8215, 28.3349,
7.5410

221.5773,
294.0637, 181.8842


 9.4880, 18.5783,
3.7191


 35.8480, 57.0187,
21.5847


 5.1205, 11.3659,
1.4726


 50.2717, 76.7146,
32.6436

 2.3536, 6.3135,
0.1974


 68.1228, 100.4924,
46.9520

 0.8219, 3.0367,
0.0000

 89.7667, 128.7366,
64.9283

 0.0000, 1.1509,
0.0000

 115.5687,
161.8314, 86.9912

 0.0000, 0.0210,
0.0000

 145.8943,

 0.0000, 0.0000,

200.1612, 113.5591

0.0000

181.1087,
244.1106, 145.0506

■ 15.8215, 28.3349,
7.5410

■ 15.8215, 28.3349,
7.5410

■ 14.7934, 27.8391,
5.9892

■ 17.2519, 29.0249,
9.7864

■ 14.1245, 27.5143,
5.0489

■ 19.1182, 29.9225,
12.7914

■ 13.7610, 27.3376,
4.5514

■ 21.4529, 31.0438,
16.6168

■ 24.2845, 32.4025,
21.3164

■ 27.6396, 34.0111,
26.9397

■ 31.5427, 35.8814,
33.5322

■ 36.0169, 38.0242,
41.1367

■ 41.0837, 40.4498,
49.7932

■ 46.7637, 43.1682,
59.5397

Harmonies

Analogous

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



21.9602, 28.3349, 3.2515



15.8215, 28.3349, 7.5410



12.9948, 28.3349, 20.9209

Triad

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



15.8215, 28.3349, 7.5410



23.1941, 28.3349, 112.4939



47.8361, 28.3349, 18.0003

Complementary

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



15.8215, 28.3349, 7.5410



22.2808, 12.3217, 37.2818

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.



48.3837, 28.3349, 43.5133



15.8215, 28.3349, 7.5410



32.6015, 28.3349, 109.9894

Square

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



15.8215, 28.3349, 7.5410



16.5450, 28.3349, 85.7867



42.3073, 28.3349, 80.1603



40.9490, 28.3349, 6.4597

Rectangle

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



15.8215, 28.3349, 7.5410



12.8162, 28.3349, 37.8241



42.3073, 28.3349, 80.1603



48.8159, 28.3349, 24.7939

Sweetspot

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



15.8222, 28.3361, 7.5416



49.5668, 61.4396, 47.8909



28.5425, 32.8521, 7.7429



10.7154, 13.5684, 10.0843



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



15.8222, 28.3361, 7.5416



26.0349, 50.1292, 9.7070



17.1895, 28.8409, 16.6423



7.4767, 8.4284, 8.0220



10.6850, 21.2055, 3.5299



0.2725, 0.5224, 0.0865

Inverse Universe

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



22.2808, 12.3217, 37.2818



38.4013, 19.1409, 67.1459



19.9370, 11.5490, 17.4897



7.7969, 7.6434, 9.4827



15.9939, 7.6286, 28.6050



0.4019, 0.1922, 0.6966

Previews

White Background



This preview shows how the XYZ color 15.8215, 28.3349, 7.5410 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 15.8215, 28.3349, 7.5410 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 15.8215, 28.3349, 7.5410

Background



This preview shows how black text looks on a background with the XYZ color 15.8215, 28.3349, 7.5410.



This preview shows how white text looks on a background with the XYZ color 15.8215, 28.3349,

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

15.8215, 28.3349, 7.5410

Protanopia

25.1072, 27.6980, 6.3085

Deuteranopia

28.3255, 27.7908, 8.0089



Tritanopia

22.5355, 28.2011, 41.3014

Trichromacy



Original Color

15.8215, 28.3349, 7.5410



Protanomaly

19.8703, 26.8569, 6.6192



Deuteranomaly

21.1110, 26.5240, 7.6214



Tritanomaly

18.9238, 27.7328, 23.7576

Monochromacy



Original Color

15.8215, 28.3349, 7.5410



Achromatopsia

17.8524, 18.7821, 20.4537



Achromatomaly

15.8958, 21.2409, 13.8518

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.8215, 28.3349, 7.5410 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(56, 166, 49)` looks like.

```
.text, #text, p{  
    color:rgb(56, 166, 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(56, 166, 49) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(56, 166, 49) }
```

Border

The CSS property to change the border of an element to XYZ 15.8215, 28.3349, 7.5410 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(56, 166, 49) }
```


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

```
.border{ border-color:rgb(56, 166, 49) }
```

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

Here you see how a box with a 4 pixel `rgb(56, 166, 49)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(56, 166, 49); -webkit-box-  
shadow:4px 4px 4px 4px rgb(56, 166, 49);  
box-shadow:4px 4px 4px 4px rgb(56, 166,  
49) }
```

Background

The CSS property to change the background color of an element to XYZ 15.8215, 28.3349, 7.5410 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(56, 166, 49) }
```

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

```
.background{ background-color: rgb(56, 166,  
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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