

Converting Colors

XYZ(15.1621, 27.9486, 8.6653)

Have a look what the booklet for
XYZ(15.1621, 27.9486, 8.6653)
contains.

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Color

**XYZ(15.1886, 27.9815,
8.7381)**

Conversions

Conversions Part 1

Format	Color
Hex	25A63B
RGB	37, 166, 59
RGB Percent	15%, 65%, 23%
CMY	0.8549, 0.3490, 0.7686
CMYK	0.78, 0.00, 0.64, 0.35
HSL	130°, 64%, 40%
HSV	130°, 78%, 65%
XYZ	15.1886, 27.9815, 8.7381
YIQ	115.2310, -42.5370, -60.6250

Conversions

Conversions Part 2

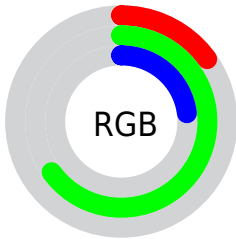
Format	Color
R_{YB}	37, 147, 166
Decimal	2467387
CIE Lab	59.87, -55.71, 44.55
CIE LCh	60, 71.326, 141.352
Yxy	27.9815, 0.2926, 0.5391
Android (android.graphics.Color)	4280657467 (0xFF25A63B)
YUV	115.2310, -27.7219, -68.6086
Hunter-Lab	52.8975, -41.3176, 27.2342

Details

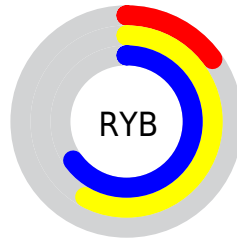
The XYZ color **15.1886, 27.9815, 8.7381** is a dark color, and the websafe version is hex **009933**. A complement of this color would be **21.4223, 11.4442, 27.4662**, and the grayscale version is **16.4574, 17.3145, 18.8555**.

A 20% lighter version of the original color is **34.6994, 56.3333, 24.0835**, and **5.9051, 11.8103, 1.9684** is the 20% darker color. If you saturate the color by 10%, you get **14.4117, 27.6177, 7.0775**, and if you desaturate by 10%, it is **16.3319, 28.5248, 10.9089**.

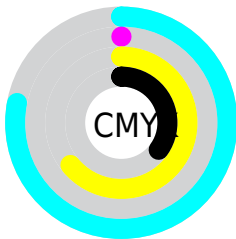
Distribution



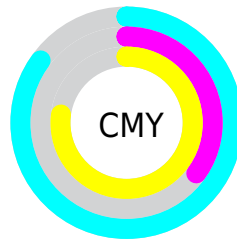
- Red (15%)
- Green (65%)
- Blue (23%)



- Red (15%)
- Yellow (58%)
- Blue (65%)



- Cyan (78%)
- Magenta (0%)
- Yellow (64%)
- Black (35%)



- Cyan (85%)
- Magenta (35%)
- Yellow (77%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.1886, 27.9815, 8.7381 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 15.1886, 27.9815, 8.7381 by changing the saturation by 10% instead.

■ 15.1886, 27.9815,
8.7381

■ 15.1886, 27.9815,
8.7381

217.8708,
292.3785, 191.5575

■ 9.0390, 18.3117,
4.4763

■ 34.7526, 56.4549,
23.9628

■ 4.8240, 11.1740,
1.8901

■ 48.8978, 76.0273,
35.7628

■ 2.1780, 6.1840,
0.4864

■ 66.4390, 99.6694,
50.9126

■ 0.7311, 2.9573,
0.0000

■ 87.7413, 127.7655,
69.8307

■ 0.0000, 1.1095,
0.0000

■ 113.1704,
160.7001, 92.9358

■ 0.0000, 0.0000,
0.0000

■ 143.0914,

198.8575, 120.6462

177.8697,
242.6222, 153.3806

■ 15.1886, 27.9815,
8.7381

■ 15.1886, 27.9815,
8.7381

■ 14.4117, 27.6177,
7.0775

■ 16.3319, 28.5248,
10.9089

■ 13.9378, 27.3994,
5.8827

■ 17.8788, 29.2638,
13.6251

■ 13.8501, 27.3588,
5.6691

■ 19.8642, 30.2164,
16.9209

■ 22.3184, 31.3977,
20.8274

■ 25.2693, 32.8214,
25.3732

■ 28.7423, 34.5000,
30.5853

■ 32.7611, 36.4453,
36.4889

■ 37.3481, 38.6682,
43.1082

■ 42.5244, 41.1791,
50.4660

Harmonies

Analogous

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



20.7496, 27.9815, 3.6323



15.1886, 27.9815, 8.7381



12.8348, 27.9815, 23.5709

Triad

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



15.1886, 27.9815, 8.7381



24.0638, 27.9815, 111.0683



46.3178, 27.9815, 15.6858

Complementary

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



15.1886, 27.9815, 8.7381



21.4223, 11.4442, 27.4662

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.



47.7753, 27.9815, 38.5922



15.1886, 27.9815, 8.7381



33.4478, 27.9815, 104.4443

Square

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



15.1886, 27.9815, 8.7381



17.1408, 27.9815, 88.3164



42.6324, 27.9815, 73.3940



39.0110, 27.9815, 5.7668

Rectangle

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



15.1886, 27.9815, 8.7381



12.9227, 27.9815, 41.3669



42.6324, 27.9815, 73.3940



47.5649, 27.9815, 21.6728

Sweetspot

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



15.1893, 27.9827, 8.7387



48.4404, 60.8121, 49.9485



25.5603, 33.3818, 6.8466



10.3658, 13.3795, 10.4616



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.



15.1893, 27.9827, 8.7387



25.5144, 49.8264, 11.2398



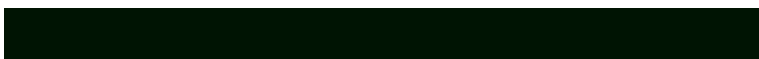
17.9751, 29.0970, 23.4087



7.4870, 8.4279, 8.2849



10.7521, 21.2196, 4.4615



0.2763, 0.5222, 0.1861

Inverse Universe

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



21.4223, 11.4442, 27.4662



37.1962, 18.4527, 46.0585



17.8362, 10.0098, 8.5819



7.7862, 7.6443, 9.1911



15.7495, 7.7085, 19.2904



0.3973, 0.1932, 0.5434

Previews

White Background



This preview shows how the XYZ color 15.1886, 27.9815, 8.7381 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 15.1886, 27.9815, 8.7381 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 15.1886, 27.9815, 8.7381

Background



This preview shows how black text looks on a background with the XYZ color 15.1886, 27.9815, 8.7381.



This preview shows how white text looks on a background with the XYZ color 15.1886, 27.9815,

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

15.1886, 27.9815, 8.7381

Protanopia

24.9623, 27.3755, 7.3365

Deuteranopia

27.9790, 27.3728, 9.2777



Tritanopia

21.6909, 27.7657, 41.2619

Trichromacy



Original Color

15.1886, 27.9815, 8.7381



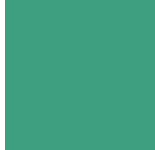
Protanomaly

18.8264, 26.0539, 7.6511



Deuteranomaly

19.9920, 25.6847, 8.9050



Tritanomaly

18.2189, 27.3469, 24.7403

Monochromacy



Original Color

15.1886, 27.9815, 8.7381



Achromatopsia

16.2955, 17.1441, 18.6699



Achromatomaly

14.5211, 19.9027, 13.9027

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.1886, 27.9815, 8.7381 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(37, 166, 59)` looks like.

```
.text, #text, p{  
    color:rgb(37, 166, 59)  
}
```

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(37, 166, 59) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(37, 166, 59) }
```

Border

The CSS property to change the border of an element to XYZ 15.1886, 27.9815, 8.7381 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(37, 166, 59) }
```


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

```
.border{ border-color:rgb(37, 166, 59) }
```

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

Here you see how a box with a 4 pixel `rgb(37, 166, 59)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(37, 166, 59); -webkit-box-  
shadow:4px 4px 4px 4px rgb(37, 166, 59);  
box-shadow:4px 4px 4px 4px rgb(37, 166,  
59) }
```

Background

The CSS property to change the background color of an element to XYZ 15.1886, 27.9815, 8.7381 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(37, 166, 59) }
```

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

```
.background{ background-color: rgb(37, 166,  
59) }
```

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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