

Converting Colors

XYZ(11.8792, 25.9979, 14.3058)

Have a look what the booklet for
XYZ(11.8792, 25.9979, 14.3058)
contains.

XYZ(15.3435, 27.6656, 14.4288)	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(15.3435, 27.6656,
14.4288)**

Conversions

Conversions Part 1

Format	Color
Hex	00A55B
RGB	0, 165, 91
RGB Percent	0%, 65%, 36%
CMY	1.0000, 0.3529, 0.6431
CMYK	1.00, 0.00, 0.45, 0.35
HSL	153°, 100%, 32%
HSV	153°, 100%, 65%
XYZ	15.3435, 27.6656, 14.4288
YIQ	107.2290, -74.5860, -57.9940

Conversions

Conversions Part 2

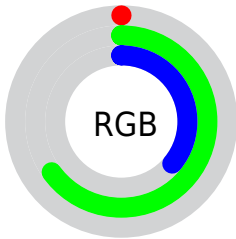
Format	Color
RYB	0, 106, 165
Decimal	42331
CIELab	59.59, -53.55, 28.35
CIELCh	60, 60.594, 152.100
Yxy	27.6656, 0.2671, 0.4817
Android (android.graphics.Color)	4278232411 (0xFF00A55B)
YUV	107.2290, -8.0009, -94.0398
Hunter-Lab	52.5981, -39.9761, 20.5541

Details

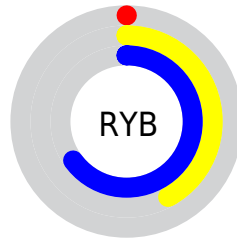
The XYZ color **15.3435, 27.6656, 14.4288** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **16.7543, 8.4945, 7.2375**, and the grayscale version is **14.0765, 14.8096, 16.1276**.

A 20% lighter version of the original color is **34.9554, 55.8396, 34.5270**, and **6.2302, 11.7628, 4.2276** is the 20% darker color. If you saturate the color by 10%, you get **15.3438, 27.6665, 14.4281**, and if you desaturate by 10%, it is **15.9019, 27.9155, 16.2053**.

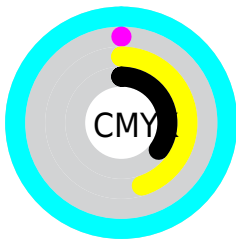
Distribution



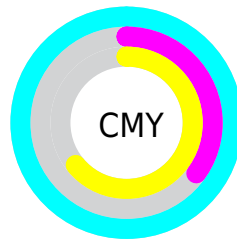
- Red (0%)
- Green (65%)
- Blue (36%)



- Red (0%)
- Yellow (42%)
- Blue (65%)



- Cyan (100%)
- Magenta (0%)
- Yellow (45%)
- Black (35%)





- Cyan (100%)
- Magenta (35%)
- Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 15.3435, 27.6656, 14.4288 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 15.3435, 27.6656, 14.4288 by changing the saturation by 10% instead.


 15.3435, 27.6656,
14.4288


 15.3435, 27.6656,
14.4288


218.7834,
290.8656, 231.4028


 9.1487, 18.0737,
8.2774


 35.0214, 55.9501,
34.5760


 4.8962, 11.0029,
4.1826


 49.2352, 75.4115,
49.4088


 2.2206, 6.0688,
1.7261

 66.8527, 98.9316,
67.9725

 0.7536, 2.8870,
0.3785

 88.2393, 126.8948,
90.6855

 0.0000, 1.0730,
0.0000

 113.7603,
159.6853, 117.9666

 0.0000, 0.0000,
0.0000

 143.7811,

197.6877, 150.2341

178.6670,
241.2863, 187.9067

■ 15.3435, 27.6656,
14.4288

■ 15.3435, 27.6656,
14.4288

■ 15.3438, 27.6665,
14.4281

■ 15.9019, 27.9155,
16.2053

■ 16.6745, 28.2713,
18.1601

■ 17.7393, 28.7739,
20.3020

■ 19.1303, 29.4408,
22.6366

■ 20.8768, 30.2869,
25.1695

■ 23.0046, 31.3255,
27.9057

■ 25.5370, 32.5684,
30.8502

■ 28.4954, 34.0267,
34.0076

■ 31.8996, 35.7105,
37.3826

Harmonies

Analogous

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



19.2440, 27.6656, 6.7076



15.3435, 27.6656, 14.4288



14.1897, 27.6656, 31.6889

Triad

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



15.3435, 27.6656, 14.4288



26.8365, 27.6656, 94.6465



40.7851, 27.6656, 12.8572

Complementary

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



15.3435, 27.6656, 14.4288



16.7543, 8.4945, 7.2375

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.



43.8511, 27.6656, 28.6098



15.3435, 27.6656, 14.4288



34.8877, 27.6656, 81.5793

Square

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



15.3435, 27.6656, 14.4288



20.0101, 27.6656, 84.6070



41.5096, 27.6656, 54.3734



33.7756, 27.6656, 6.1578

Rectangle

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



15.3435, 27.6656, 14.4288



14.9095, 27.6656, 48.8578



41.5096, 27.6656, 54.3734



42.3662, 27.6656, 16.9190

Sweetspot

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



15.3442, 27.6667, 14.4294



45.4608, 58.1916, 54.9446



16.2997, 28.3774, 4.6187



9.5274, 12.5198, 11.5442



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.



15.3442, 27.6667, 14.4294



27.3748, 49.5055, 25.2920



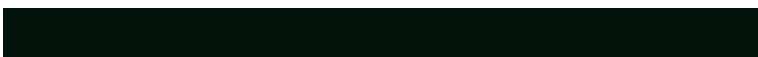
18.8072, 26.7473, 39.7701



7.1413, 7.9573, 8.3560



11.6328, 20.9395, 11.0487



0.2678, 0.4493, 0.3553

Inverse Universe

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



16.7543, 8.4945, 7.2375



29.9046, 15.1721, 12.4362



15.6074, 8.1790, 0.7565



7.1996, 7.1363, 8.0377



12.6985, 6.4355, 5.6031



0.2905, 0.1447, 0.2425

Previews

White Background



This preview shows how the XYZ color 15.3435, 27.6656, 14.4288 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 15.3435, 27.6656, 14.4288 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 15.3435, 27.6656, 14.4288

Background



This preview shows how black text looks on a background with the XYZ color 15.3435, 27.6656, 14.4288.



This preview shows how white text looks on a background with the XYZ color 15.3435, 27.6656,

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

15.3435, 27.6656, 14.4288

Protanopia

25.0941, 27.3374, 12.1377

Deuteranopia

27.5863, 27.0362, 15.3198



Tritanopia

21.0365, 27.6656, 41.7674

Trichromacy



Original Color

15.3435, 27.6656, 14.4288



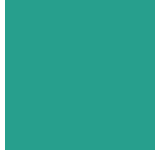
Protanomaly

17.8919, 25.4578, 12.7749



Deuteranomaly

18.6836, 24.8818, 14.6444



Tritanomaly

18.0426, 27.1507, 29.4890

Monochromacy



Original Color

15.3435, 27.6656, 14.4288



Achromatopsia

13.9749, 14.7027, 16.0113



Achromatomaly

12.4520, 17.6069, 15.0541

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.3435, 27.6656, 14.4288 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(0, 165, 91)` looks like.

```
.text, #text, p{  
    color:rgb(0, 165, 91)  
}
```

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(0, 165, 91) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 165, 91) }
```

Border

The CSS property to change the border of an element to XYZ 15.3435, 27.6656, 14.4288 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(0, 165, 91) }
```


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

```
.border{ border-color:rgb(0, 165, 91) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 165, 91)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 165, 91); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 165, 91);  
box-shadow:4px 4px 4px 4px rgb(0, 165, 91)  
}
```

Background

The CSS property to change the background color of an element to XYZ 15.3435, 27.6656, 14.4288 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 165, 91) }
```

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

```
.background{ background-color: rgb(0, 165,  
91) }
```

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