

Converting Colors

XYZ(15.9595, 27.4058, 14.6283)

Have a look what the booklet for
XYZ(15.9595, 27.4058, 14.6283)
contains.

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Color

**XYZ(15.9838, 27.4593,
14.5830)**

Conversions

Conversions Part 1

Format	Color
Hex	2AA35C
RGB	42, 163, 92
RGB Percent	16%, 64%, 36%
CMY	0.8353, 0.3608, 0.6392
CMYK	0.74, 0.00, 0.44, 0.36
HSL	145°, 59%, 40%
HSV	145°, 74%, 64%
XYZ	15.9838, 27.4593, 14.5830
YIQ	118.7270, -49.3250, -47.7330

Conversions

Conversions Part 2

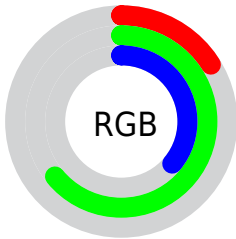
Format	Color
R_{YB}	42, 128, 163
Decimal	2794332
CIE _{Lab}	59.40, -49.00, 27.67
CIE _{LCh}	59, 56.275, 150.551
Yxy	27.4593, 0.2755, 0.4732
Android (android.graphics.Color)	4280984412 (0xFF2AA35C)
YUV	118.7270, -13.1764, -67.2896
Hunter-Lab	52.4016, -37.2559, 20.1811

Details

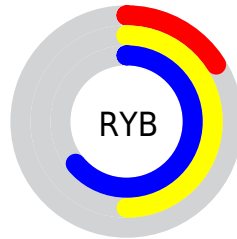
The XYZ color **15.9838, 27.4593, 14.5830** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **18.9137, 10.6353, 16.6797**, and the grayscale version is **17.5004, 18.4118, 20.0504**.

A 20% lighter version of the original color is **36.1151, 55.6495, 34.8246**, and **6.0306, 11.3337, 4.2527** is the 20% darker color. If you saturate the color by 10%, you get **15.0558, 27.0270, 12.4934**, and if you desaturate by 10%, it is **17.2371, 28.0548, 16.9647**.

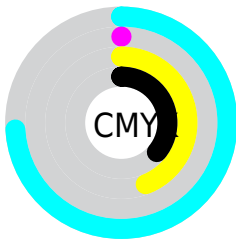
Distribution



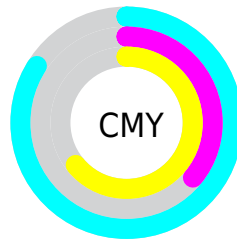
- Red (16%)
- Green (64%)
- Blue (36%)



- Red (16%)
- Yellow (50%)
- Blue (64%)



- Cyan (74%)
- Magenta (0%)
- Yellow (44%)
- Black (36%)



- Cyan (84%)
- Magenta (36%)
- Yellow (64%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.9838, 27.4593, 14.5830 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 15.9838, 27.4593, 14.5830 by changing the saturation by 10% instead.

■ 15.9838, 27.4593,
14.5830

■ 15.9838, 27.4593,
14.5830

222.5184,
289.8741, 232.3813

■ 9.6035, 17.9185,
8.3839

■ 36.1278, 55.6200,
34.8519

■ 5.1971, 10.8915,
4.2503

■ 50.6221, 75.0087,
49.7587

■ 2.3993, 5.9939,
1.7636

■ 68.5518, 98.4488,
68.4052

■ 0.8448, 2.8414,
0.4038

■ 90.2822, 126.3247,
91.2098

■ 0.0000, 1.0495,
0.0000

■ 116.1787,
159.0208, 118.5913

■ 0.0000, 0.0000,
0.0000

■ 146.6067,

196.9214, 150.9680

181.9315,
240.4111, 188.7585

■ 15.9838, 27.4593,
14.5830

■ 15.9838, 27.4593,
14.5830

■ 15.0558, 27.0270,
12.4934

■ 17.2371, 28.0548,
16.9647

■ 14.4138, 26.7354,
10.6820

■ 18.8449, 28.8259,
19.6476

■ 14.1215, 26.6049,
9.7573

■ 20.8351, 29.7876,
22.6431

■ 23.2324, 30.9525,
25.9610

■ 26.0591, 32.3319,
29.6108

■ 29.3360, 33.9362,
33.6016

■ 33.0823, 35.7754,
37.9421

■ 37.3163, 37.8585,
42.6408

■ 42.0552, 40.1942,
47.7056

Harmonies

Analogous

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



19.7965, 27.4593, 7.3767



15.9838, 27.4593, 14.5830



14.7539, 27.4593, 30.2733

Triad

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



15.9838, 27.4593, 14.5830



26.2298, 27.4593, 87.9583



39.6027, 27.4593, 14.1861

Complementary

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



15.9838, 27.4593, 14.5830



18.9137, 10.6353, 16.6797

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.



42.1395, 27.4593, 29.5268



15.9838, 27.4593, 14.5830



33.6151, 27.4593, 77.3524

Square

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



15.9838, 27.4593, 14.5830



19.9848, 27.4593, 78.0579



39.7751, 27.4593, 53.3402



33.3486, 27.4593, 7.2308

Rectangle

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



15.9838, 27.4593, 14.5830



15.3512, 27.4593, 45.7052



39.7751, 27.4593, 53.3402



40.9640, 27.4593, 18.2345

Sweetspot

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



15.9845, 27.4604, 14.5836



47.6774, 58.3953, 54.2863



20.5337, 29.9805, 6.8953



10.3918, 12.9606, 11.7974



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.



15.9845, 27.4604, 14.5836



26.1707, 48.0396, 20.2357



19.6307, 28.9189, 33.7840



7.1012, 7.9413, 8.1450



10.9962, 20.6848, 7.6965



0.2543, 0.4439, 0.2841

Inverse Universe

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



18.9137, 10.6353, 16.6797



31.6526, 16.2851, 23.9608



16.6011, 9.7102, 4.5019



7.2399, 7.1524, 8.2497



13.3900, 6.7121, 9.2444



0.3041, 0.1501, 0.3138

Previews

White Background



This preview shows how the XYZ color 15.9838, 27.4593, 14.5830 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 15.9838, 27.4593, 14.5830 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 15.9838, 27.4593, 14.5830

Background



This preview shows how black text looks on a background with the XYZ color 15.9838, 27.4593, 14.5830.



This preview shows how white text looks on a background with the XYZ color 15.9838, 27.4593,

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

15.9838, 27.4593, 14.5830

Protanopia

24.7908, 26.9547, 12.2837

Deuteranopia

27.3709, 26.9252, 15.3097



Tritanopia

21.2031, 27.2789, 40.7071

Trichromacy



Original Color

15.9838, 27.4593, 14.5830



Protanomaly

19.5661, 26.0782, 13.0192



Deuteranomaly

20.5586, 25.6133, 14.9266



Tritanomaly

18.7151, 26.9995, 29.0360

Monochromacy



Original Color

15.9838, 27.4593, 14.5830



Achromatopsia

17.5343, 18.4475, 20.0893



Achromatomaly

15.7387, 20.6562, 17.6255

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.9838, 27.4593, 14.5830 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(42, 163, 92)` looks like.

```
.text, #text, p{  
    color:rgb(42, 163, 92)  
}
```

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(42, 163, 92) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(42, 163, 92) }
```

Border

The CSS property to change the border of an element to XYZ 15.9838, 27.4593, 14.5830 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(42, 163, 92) }
```


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

```
.border{ border-color:rgb(42, 163, 92) }
```

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

Here you see how a box with a 4 pixel `rgb(42, 163, 92)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(42, 163, 92); -webkit-box-  
shadow:4px 4px 4px 4px rgb(42, 163, 92);  
box-shadow:4px 4px 4px 4px rgb(42, 163,  
92) }
```

Background

The CSS property to change the background color of an element to XYZ 15.9838, 27.4593, 14.5830 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(42, 163, 92) }
```

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

```
.background{ background-color: rgb(42, 163,  
92) }
```

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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