

Converting Colors

XYZ(15.3120, 26.4614, 12.8560)

Have a look what the booklet for
XYZ(15.3120, 26.4614, 12.8560)
contains.

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Color

**XYZ(15.2492, 26.3330,
12.8734)**

Conversions

Conversions Part 1

Format	Color
Hex	2CA055
RGB	44, 160, 85
RGB Percent	17%, 63%, 33%
CMY	0.8274, 0.3725, 0.6667
CMYK	0.72, 0.00, 0.47, 0.37
HSL	141°, 57%, 40%
HSV	141°, 72%, 63%
XYZ	15.2492, 26.3330, 12.8734
YIQ	116.7660, -45.0610, -47.9170

Conversions

Conversions Part 2

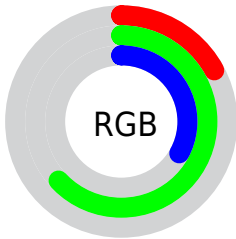
Format	Color
RYB	44, 130, 160
Decimal	2924629
CIELab	58.35, -48.79, 30.03
CIELCh	58, 57.294, 148.388
Yxy	26.3330, 0.2800, 0.4836
Android (android.graphics.Color)	4281114709 (0xFF2CA055)
YUV	116.7660, -15.6606, -63.8158
Hunter-Lab	51.3157, -36.7586, 21.0471

Details

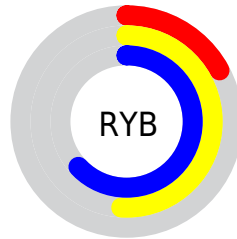
The XYZ color **15.2492, 26.3330, 12.8734** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **18.7284, 10.6073, 18.5137**, and the grayscale version is **16.8935, 17.7733, 19.3551**.

A 20% lighter version of the original color is **34.9437, 53.9535, 31.8649**, and **5.5916, 10.6490, 3.5110** is the 20% darker color. If you saturate the color by 10%, you get **14.3085, 25.8929, 10.8389**, and if you desaturate by 10%, it is **16.5163, 26.9359, 15.2380**.

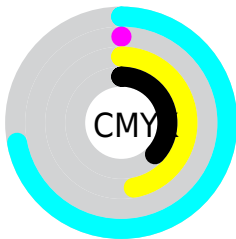
Distribution



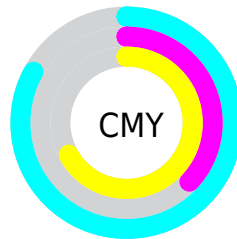
- Red (17%)
- Green (63%)
- Blue (33%)



- Red (17%)
- Yellow (51%)
- Blue (63%)



- Cyan (72%)
- Magenta (0%)
- Yellow (47%)
- Black (37%)



- Cyan (83%)
- Magenta (37%)
- Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.2492, 26.3330, 12.8734 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 15.2492, 26.3330, 12.8734 by changing the saturation by 10% instead.

■ 15.2492, 26.3330,
12.8734

■ 15.2492, 26.3330,
12.8734

218.2282,
284.4129, 221.2840

■ 9.0819, 17.0729,
7.2117

■ 34.8578, 53.8117,
31.7640

■ 4.8522, 10.2865,
3.5144

■ 49.0299, 72.7991,
45.8300

■ 2.1947, 5.5893,
1.3629

■ 66.6010, 95.7977,
63.5345

■ 0.7399, 2.5970,
0.1125

■ 87.9363, 123.1919,
85.2961

■ 0.0000, 0.9252,
0.0000

■ 113.4014,
155.3662, 111.5333

■ 0.0000, 0.0000,
0.0000

■ 143.3615,

192.7048, 142.6647

178.1820,
235.5923, 179.1087

■ 15.2492, 26.3330,
12.8734

■ 15.2492, 26.3330,
12.8734

■ 14.3085, 25.8929,
10.8389

■ 16.5163, 26.9359,
15.2380

■ 13.6573, 25.5946,
9.1176

■ 18.1375, 27.7134,
17.9451

■ 13.2988, 25.4336,
8.0210

■ 20.1397, 28.6799,
21.0086

■ 22.5465, 29.8472,
24.4409

■ 25.3797, 31.2263,
28.2540

■ 28.6591, 32.8272,
32.4592

■ 32.4037, 34.6595,
37.0673

■ 36.6311, 36.7320,
42.0889

■ 41.3579, 39.0532,
47.5340

Harmonies

Analogous

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



19.1738, 26.3330, 6.4065



15.2492, 26.3330, 12.8734



13.8656, 26.3330, 27.6043

Triad

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



15.2492, 26.3330, 12.8734



24.6530, 26.3330, 86.8255



38.7926, 26.3330, 14.0032

Complementary

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



15.2492, 26.3330, 12.8734



18.7284, 10.6073, 18.5137

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.



40.9875, 26.3330, 29.7672



15.2492, 26.3330, 12.8734



31.9686, 26.3330, 77.5338

Square

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



15.2492, 26.3330, 12.8734



18.6314, 26.3330, 75.4536



38.2891, 26.3330, 53.9122



32.7447, 26.3330, 6.8130

Rectangle

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



15.2492, 26.3330, 12.8734



14.3294, 26.3330, 42.5894



38.2891, 26.3330, 53.9122



40.0499, 26.3330, 18.1745

Sweetspot

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



15.2499, 26.3341, 12.8740



46.1222, 56.7161, 51.3540



20.6891, 29.2750, 6.9432



9.8154, 12.2925, 10.8668



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444

Same Dimension

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



15.2499, 26.3341, 12.8740



25.1910, 46.6492, 17.6833



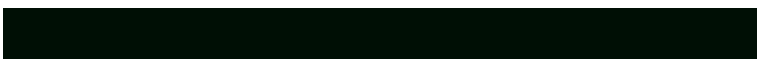
18.5380, 27.6493, 30.1889



6.6427, 7.4379, 7.5533



10.3784, 19.8193, 6.3499



0.2047, 0.3620, 0.2144

Inverse Universe

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



18.7284, 10.6073, 18.5137



31.8145, 16.4004, 28.1965



16.2517, 9.6166, 5.4714



6.8045, 6.7147, 7.8217



13.2392, 6.6002, 10.7765



0.2561, 0.1258, 0.2948

Previews

White Background



This preview shows how the XYZ color 15.2492, 26.3330, 12.8734 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 15.2492, 26.3330, 12.8734 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 15.2492, 26.3330, 12.8734

Background



This preview shows how black text looks on a background with the XYZ color 15.2492, 26.3330, 12.8734.



This preview shows how white text looks on a background with the XYZ color 15.2492, 26.3330,

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

15.2492, 26.3330, 12.8734

Protanopia

23.7446, 25.7876, 10.9338

Deuteranopia

26.2556, 25.7633, 13.7142



Tritanopia

20.4251, 26.1940, 38.6298

Trichromacy



Original Color

15.2492, 26.3330, 12.8734



Protanomaly

18.7290, 24.9722, 11.6176



Deuteranomaly

19.6517, 24.5038, 13.1451



Tritanomaly

17.9154, 25.8846, 26.9737

Monochromacy



Original Color

15.2492, 26.3330, 12.8734



Achromatopsia

16.9083, 17.7888, 19.3720



Achromatomaly

15.1538, 19.9686, 16.4202

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.2492, 26.3330, 12.8734 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(44, 160, 85)` looks like.

```
.text, #text, p{  
    color:rgb(44, 160, 85)  
}
```

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(44, 160, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(44, 160, 85) }
```

Border

The CSS property to change the border of an element to XYZ 15.2492, 26.3330, 12.8734 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(44, 160, 85) }
```


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

```
.border{ border-color:rgb(44, 160, 85) }
```

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

Here you see how a box with a 4 pixel `rgb(44, 160, 85)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(44, 160, 85); -webkit-box-  
shadow:4px 4px 4px 4px rgb(44, 160, 85);  
box-shadow:4px 4px 4px 4px rgb(44, 160,  
85) }
```

Background

The CSS property to change the background color of an element to XYZ 15.2492, 26.3330, 12.8734 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(44, 160, 85) }
```

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

```
.background{ background-color: rgb(44, 160,  
85) }
```

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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