

Converting Colors

XYZ(15.4995, 24.2689, 11.5971)

Have a look what the booklet for
XYZ(15.4995, 24.2689, 11.5971)
contains.

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Color

**XYZ(15.5323, 24.2638,
11.6493)**

Conversions

Conversions Part 1

Format	Color
Hex	4C9751
RGB	76, 151, 81
RGB Percent	30%, 59%, 32%
CMY	0.7020, 0.4078, 0.6823
CMYK	0.50, 0.00, 0.46, 0.41
HSL	124°, 33%, 45%
HSV	124°, 50%, 59%
XYZ	15.5323, 24.2638, 11.6493
YIQ	120.5950, -22.2300, -37.6700

Conversions

Conversions Part 2

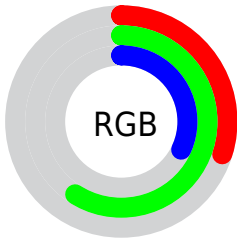
Format	Color
RYB	76, 146, 151
Decimal	5019473
CIELab	56.35, -38.50, 29.80
CIElCh	56, 48.681, 142.260
Yxy	24.2638, 0.3019, 0.4716
Android (android.graphics.Color)	4283209553 (0xFF4C9751)
YUV	120.5950, -19.5203, -39.1098
Hunter-Lab	49.2583, -29.9168, 20.4591

Details

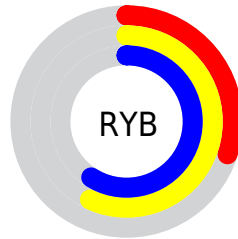
The XYZ color **15.5323, 24.2638, 11.6493** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **20.5360, 13.8240, 28.7808**, and the grayscale version is **18.1099, 19.0530, 20.7487**.

A 20% lighter version of the original color is **35.3740, 50.5271, 29.3610**, and **4.9643, 9.1493, 3.0177** is the 20% darker color. If you saturate the color by 10%, you get **13.9958, 23.5273, 9.0994**, and if you desaturate by 10%, it is **17.4613, 25.1914, 14.7913**.

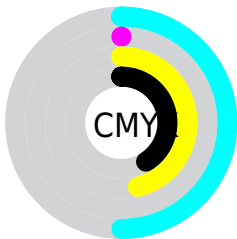
Distribution



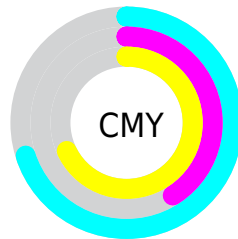
- Red (30%)
- Green (59%)
- Blue (32%)



- Red (30%)
- Yellow (57%)
- Blue (59%)



- Cyan (50%)
- Magenta (0%)
- Yellow (46%)
- Black (41%)



- Cyan (70%)
- Magenta (41%)
- Yellow (68%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.5323, 24.2638, 11.6493 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 15.5323, 24.2638, 11.6493 by changing the saturation by 10% instead.

■ 15.5323, 24.2638,
11.6493

■ 15.5323, 24.2638,
11.6493

219.8909,
274.1515, 212.9644

■ 9.2826, 15.5294,
6.3857

■ 35.3484, 50.4603,
29.5095

■ 4.9845, 9.1918,
3.0085

■ 49.6454, 68.6913,
42.9433

■ 2.2728, 4.8665,
1.0990

■ 67.3556, 90.8566,
59.9375

■ 0.7807, 2.1691,
0.0000

■ 88.8442, 117.3405,
80.9107

■ 0.0000, 0.7031,
0.0000

■ 114.4767,
148.5276, 106.2814

■ 0.0000, 0.0000,
0.0000

144.6185,

184.8022, 136.4683

179.6347,
226.5487, 171.8897

■ 15.5323, 24.2638,
11.6493

■ 15.5323, 24.2638,
11.6493

■ 13.9958, 23.5273,
9.0994

■ 17.4613, 25.1914,
14.7913

■ 12.8232, 22.9657,
7.1029

■ 19.8054, 26.3189,
18.5575

■ 11.9848, 22.5655,
5.6193


■ 22.5874, 27.6581,
22.9797


■ 11.4455, 22.3094,
4.6017


■ 25.8282, 29.2191,
28.0869


■ 11.1311, 22.1605,
3.9934


■ 29.5471, 31.0113,
33.9067

 11.1223, 22.1562,
3.9795

 33.7624, 33.0436,
40.4648

 38.4915, 35.3244,
47.7859

 43.7510, 37.8617,
55.8935

 49.5564, 40.6632,
64.8099

Harmonies

Analogous

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



19.2080, 24.2638, 6.8877



15.5323, 24.2638, 11.6493



13.9303, 24.2638, 22.4685

Triad

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



15.5323, 24.2638, 11.6493



21.6378, 24.2638, 70.4474



34.5707, 24.2638, 16.3492

Complementary

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



15.5323, 24.2638, 11.6493



20.5360, 13.8240, 28.7808

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.



35.5043, 24.2638, 30.8077



15.5323, 24.2638, 11.6493



27.3998, 24.2638, 66.6280

Square

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



15.5323, 24.2638, 11.6493



17.0630, 24.2638, 59.2039



32.7003, 24.2638, 50.2335



30.3243, 24.2638, 8.7315

Rectangle

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



15.5323, 24.2638, 11.6493



14.0363, 24.2638, 33.5464



32.7003, 24.2638, 50.2335



35.3075, 24.2638, 20.3804

Sweetspot

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



15.5329, 24.2648, 11.6498



42.8821, 50.7016, 44.9942



24.2262, 28.7672, 11.1134



9.4966, 11.4034, 9.8322



72.9764, 76.7769, 83.6100



11.9732, 12.5967, 13.7178

Same Dimension

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



15.5329, 24.2648, 11.6498



24.7010, 41.9588, 15.6849



17.3476, 24.9907, 21.2057



6.1480, 6.9319, 6.7030



9.4659, 18.8498, 3.4080



0.1454, 0.2834, 0.0714

Inverse Universe

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



20.5360, 13.8240, 28.7808



34.7495, 20.9608, 50.0713



18.0811, 12.8420, 15.8535



6.4434, 6.3165, 7.7152



14.9472, 7.2331, 22.0449



0.2281, 0.1100, 0.3538

Previews

White Background



This preview shows how the XYZ color 15.5323, 24.2638, 11.6493 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 15.5323, 24.2638, 11.6493 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

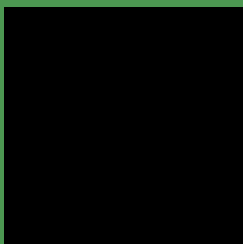
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 15.5323, 24.2638, 11.6493

Background



This preview shows how black text looks on a background with the XYZ color 15.5323, 24.2638, 11.6493.



This preview shows how white text looks on a background with the XYZ color 15.5323, 24.2638,

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

15.5323, 24.2638, 11.6493

Protanopia

22.0078, 23.8541, 10.1010

Deuteranopia

24.2992, 23.7916, 12.1156



Tritanopia

20.0688, 24.2533, 34.1955

Trichromacy



Original Color

15.5323, 24.2638, 11.6493

Protanomaly

18.7437, 23.4296, 10.5556

Deuteranomaly

19.7645, 23.0737, 11.7995

Tritanomaly

17.9474, 24.0685, 23.7784

Monochromacy



Original Color

15.5323, 24.2638, 11.6493

Achromatopsia

18.1737, 19.1202, 20.8219

Achromatomaly

16.6785, 20.5464, 16.7225

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.5323, 24.2638, 11.6493 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(76, 151, 81)` looks like.

```
.text, #text, p{  
    color:rgb(76, 151, 81)  
}
```

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(76, 151, 81) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(76, 151, 81) }
```

Border

The CSS property to change the border of an element to XYZ 15.5323, 24.2638, 11.6493 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(76, 151, 81) }
```


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

```
.border{ border-color:rgb(76, 151, 81) }
```

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

Here you see how a box with a 4 pixel `rgb(76, 151, 81)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(76, 151, 81); -webkit-box-  
shadow:4px 4px 4px 4px rgb(76, 151, 81);  
box-shadow:4px 4px 4px 4px rgb(76, 151,  
81) }
```

Background

The CSS property to change the background color of an element to XYZ 15.5323, 24.2638, 11.6493 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(76, 151, 81) }
```

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

```
.background{ background-color: rgb(76, 151,  
81) }
```

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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