

Converting Colors

XYZ(15.0489, 24.9737, 12.4685)

Have a look what the booklet for
XYZ(15.0489, 24.9737, 12.4685)
contains.

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Color

**XYZ(15.0665, 24.9823,
12.4155)**

Conversions

Conversions Part 1

Format	Color
Hex	3A9B54
RGB	58, 155, 84
RGB Percent	23%, 61%, 33%
CMY	0.7725, 0.3921, 0.6706
CMYK	0.63, 0.00, 0.46, 0.39
HSL	136°, 46%, 42%
HSV	136°, 63%, 61%
XYZ	15.0665, 24.9823, 12.4155
YIQ	117.9030, -35.0210, -42.6450

Conversions

Conversions Part 2

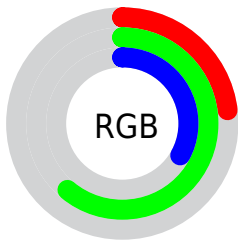
Format	Color
RYB	58, 134, 155
Decimal	3840852
CIELab	57.06, -44.31, 28.98
CIELCh	57, 52.941, 146.813
Yxy	24.9823, 0.2872, 0.4762
Android (android.graphics.Color)	4282030932 (0xFF3A9B54)
YUV	117.9030, -16.7142, -52.5349
Hunter-Lab	49.9823, -33.6626, 20.2601

Details

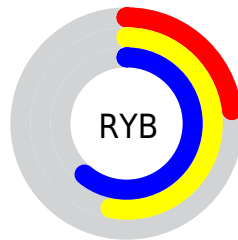
The XYZ color **15.0665, 24.9823, 12.4155** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **18.9938, 11.5801, 22.0037**, and the grayscale version is **17.2486, 18.1468, 19.7619**.

A 20% lighter version of the original color is **34.4900, 51.4873, 31.0419**, and **5.1842, 9.8341, 3.3752** is the 20% darker color. If you saturate the color by 10%, you get **13.8885, 24.4230, 10.2259**, and if you desaturate by 10%, it is **16.5890, 25.7123, 14.9981**.

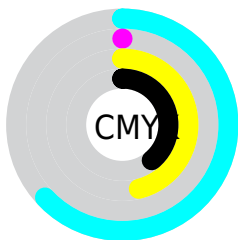
Distribution



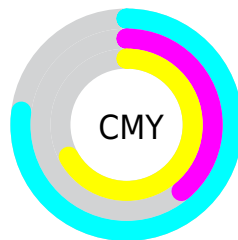
- Red (23%)
- Green (61%)
- Blue (33%)



- Red (23%)
- Yellow (53%)
- Blue (61%)



- Cyan (63%)
- Magenta (0%)
- Yellow (46%)
- Black (39%)



- Cyan (77%)
- Magenta (39%)
- Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.0665, 24.9823, 12.4155 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 15.0665, 24.9823, 12.4155 by changing the saturation by 10% instead.

■ 15.0665, 24.9823,
12.4155

■ 15.0665, 24.9823,
12.4155

217.1488,
277.7498, 218.2116

■ 8.9527, 16.0639,
6.9014

■ 34.5405, 51.6285,
30.9253

■ 4.7672, 9.5694,
3.3230

■ 48.6314, 70.1251,
44.7580

■ 2.1447, 5.1144,
1.2618

■ 66.1120, 92.5831,
62.2006

■ 0.7133, 2.3145,
0.0302

■ 87.3478, 119.3871,
83.6717

■ 0.0000, 0.7814,
0.0000

■ 112.7040,
150.9213, 109.5898

■ 0.0000, 0.0000,
0.0000

142.5459,

187.5703, 140.3734

177.2391,
229.7183, 176.4412

■ 15.0665, 24.9823,
12.4155

■ 15.0665, 24.9823,
12.4155

■ 13.8885, 24.4230,
10.2259

■ 16.5890, 25.7123,
14.9981

■ 13.0245, 24.0169,
8.4082

■ 18.4795, 26.6227,
17.9901

■ 12.4415, 23.7482,
6.9418

■ 20.7615, 27.7257,
21.4089

■ 12.1317, 23.6076,
6.0656

■ 23.4559, 29.0321,
25.2705

■ 26.5822, 30.5514,
29.5899

■ 30.1585, 32.2927,
34.3816

■ 34.2021, 34.2646,
39.6594

■ 38.7290, 36.4751,
45.4363

■ 43.7548, 38.9320,
51.7252

Harmonies

Analogous

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



18.7422, 24.9823, 6.6376



15.0665, 24.9823, 12.4155



13.6824, 24.9823, 25.3388

Triad

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



15.0665, 24.9823, 12.4155



23.0853, 24.9823, 77.8271



36.1171, 24.9823, 14.4782

Complementary

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



15.0665, 24.9823, 12.4155



18.9938, 11.5801, 22.0037

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.



37.8217, 24.9823, 29.1533



15.0665, 24.9823, 12.4155



29.5669, 24.9823, 70.7296

Square

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



15.0665, 24.9823, 12.4155



17.7744, 24.9823, 67.1847



35.2436, 24.9823, 50.6257



30.9220, 24.9823, 7.4104

Rectangle

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



15.0665, 24.9823, 12.4155



14.0269, 24.9823, 38.3768



35.2436, 24.9823, 50.6257



37.1527, 24.9823, 18.4381

Sweetspot

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



15.0671, 24.9833, 12.4161



43.7166, 52.8223, 47.6473



21.5595, 28.4269, 8.3538



9.5706, 11.7985, 10.3315



74.8435, 78.7412, 85.7492



12.6291, 13.2868, 14.4694

Same Dimension

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



15.0671, 24.9833, 12.4161



24.2074, 43.4237, 16.9718



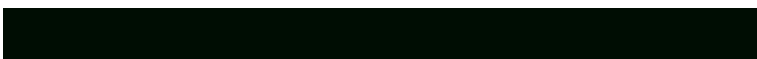
17.6570, 26.0193, 26.0541



6.1968, 6.9514, 6.9597



9.7580, 18.9666, 4.9461



0.1595, 0.2890, 0.1455

Inverse Universe

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



18.9938, 11.5801, 22.0037



31.7935, 17.3638, 35.3718



16.5028, 10.5837, 8.8861



6.3905, 6.2954, 7.4366



13.2884, 6.5696, 13.3095



0.2134, 0.1041, 0.2768

Previews

White Background



This preview shows how the XYZ color 15.0665, 24.9823, 12.4155 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 15.0665, 24.9823, 12.4155 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 15.0665, 24.9823, 12.4155

Background



This preview shows how black text looks on a background with the XYZ color 15.0665, 24.9823, 12.4155.



This preview shows how white text looks on a background with the XYZ color 15.0665, 24.9823,

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

15.0665, 24.9823, 12.4155

Protanopia

22.5381, 24.5337, 10.5688

Deuteranopia

24.9324, 24.4900, 13.0858



Tritanopia

19.9135, 25.0415, 36.1317

Trichromacy



Original Color

15.0665, 24.9823, 12.4155



Protanomaly

18.4729, 23.9371, 11.2361



Deuteranomaly

19.4515, 23.5298, 12.7490



Tritanomaly

17.6756, 24.8291, 25.3336

Monochromacy



Original Color

15.0665, 24.9823, 12.4155



Achromatopsia

17.2197, 18.1164, 19.7288



Achromatomaly

15.5417, 19.7600, 16.6306

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.0665, 24.9823, 12.4155 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(58, 155, 84)` looks like.

```
.text, #text, p{  
    color:rgb(58, 155, 84)  
}
```

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(58, 155, 84) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(58, 155, 84) }
```

Border

The CSS property to change the border of an element to XYZ 15.0665, 24.9823, 12.4155 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(58, 155, 84) }
```


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

```
.border{ border-color:rgb(58, 155, 84) }
```

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

Here you see how a box with a 4 pixel `rgb(58, 155, 84)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(58, 155, 84); -webkit-box-  
shadow:4px 4px 4px 4px rgb(58, 155, 84);  
box-shadow:4px 4px 4px 4px rgb(58, 155,  
84) }
```

Background

The CSS property to change the background color of an element to XYZ 15.0665, 24.9823, 12.4155 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(58, 155, 84) }
```

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

```
.background{ background-color: rgb(58, 155,  
84) }
```

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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