

Converting Colors

XYZ(15.2306, 23.4994, 17.6816)

Have a look what the booklet for
XYZ(15.2306, 23.4994, 17.6816)
contains.

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Color

**XYZ(15.2049, 23.4862,
17.6418)**

Conversions

Conversions Part 1

Format	Color
Hex	3B956B
RGB	59, 149, 107
RGB Percent	23%, 58%, 42%
CMY	0.7686, 0.4157, 0.5804
CMYK	0.60, 0.00, 0.28, 0.42
HSL	152°, 43%, 41%
HSV	152°, 60%, 58%
XYZ	15.2049, 23.4862, 17.6418
YIQ	117.3020, -40.1580, -32.1420

Conversions

Conversions Part 2

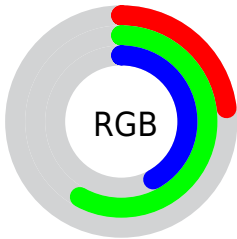
Format	Color
R_{YB}	59, 118, 149
Decimal	3904875
CIE _{Lab}	55.57, -37.06, 14.36
CIE _{LCh}	56, 39.749, 158.818
Yxy	23.4862, 0.2699, 0.4169
Android (android.graphics.Color)	4282094955 (0xFF3B956B)
YUV	117.3020, -5.0789, -51.1309
Hunter-Lab	48.4626, -28.8060, 12.3405

Details

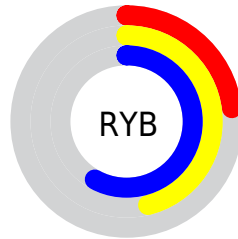
The XYZ color **15.2049, 23.4862, 17.6418** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **16.3081, 10.4576, 13.4718**, and the grayscale version is **17.0269, 17.9137, 19.5080**.

A 20% lighter version of the original color is **34.8347, 49.2992, 40.0275**, and **5.0641, 8.8652, 5.5819** is the 20% darker color. If you saturate the color by 10%, you get **14.0935, 22.9545, 15.7565**, and if you desaturate by 10%, it is **16.5991, 24.1616, 19.6949**.

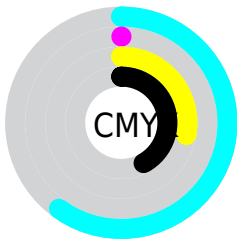
Distribution



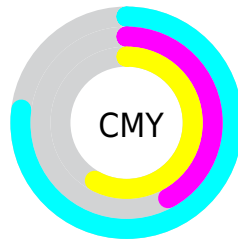
- Red (23%)
- Green (58%)
- Blue (42%)



- Red (23%)
- Yellow (46%)
- Blue (58%)



- Cyan (60%)
- Magenta (0%)
- Yellow (28%)
- Black (42%)



- Cyan (77%)
- Magenta (42%)
- Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.2049, 23.4862, 17.6418 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 15.2049, 23.4862, 17.6418 by changing the saturation by 10% instead.

■ 15.2049, 23.4862,
17.6418

■ 15.2049, 23.4862,
17.6418

217.9670,
270.2125, 251.0122

■ 9.0506, 14.9529,
10.5264

■ 34.7809, 49.1904,
40.2317

■ 4.8316, 8.7864,
5.6392

■ 48.9334, 67.1302,
56.5432

■ 2.1825, 4.6021,
2.5617

■ 66.4825, 88.9742,
76.7571

■ 0.7335, 2.0157,
0.8726

■ 87.7938, 115.1070,
101.2920

■ 0.0000, 0.6166,
0.0000

■ 113.2325,
145.9127, 130.5664

■ 0.0000, 0.0000,
0.0000

143.1641,

181.7760, 164.9989

177.9537,
223.0811, 205.0080

■ 15.2049, 23.4862,
17.6418

■ 15.2049, 23.4862,
17.6418

■ 14.0935, 22.9545,
15.7565

■ 16.5991, 24.1616,
19.6949

■ 13.2402, 22.5518,
14.0329

■ 18.2943, 24.9880,
21.9187

■ 12.6190, 22.2657,
12.4664

■ 20.3096, 25.9759,
24.3180

■ 12.1762, 22.0670,
11.1041

■ 22.6615, 27.1337,
26.8967

■ 25.3656, 28.4694,
29.6588

■ 28.4365, 29.9904,
32.6080

■ 31.8878, 31.7037,
35.7479

■ 35.7326, 33.6160,
39.0822

■ 39.9832, 35.7335,
42.6141

Harmonies

Analogous

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



17.3390, 23.4862, 10.7459



15.2049, 23.4862, 17.6418



14.8355, 23.4862, 29.5508

Triad

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



15.2049, 23.4862, 17.6418



23.6720, 23.4862, 58.5919



29.7438, 23.4862, 12.9989

Complementary

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



15.2049, 23.4862, 17.6418



16.3081, 10.4576, 13.4718

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.



31.9818, 23.4862, 21.9683



15.2049, 23.4862, 17.6418



28.1806, 23.4862, 50.0645

Square

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



15.2049, 23.4862, 17.6418



19.3478, 23.4862, 56.2300



31.3743, 23.4862, 35.5820



25.5884, 23.4862, 8.7577

Rectangle

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



15.2049, 23.4862, 17.6418



15.5839, 23.4862, 39.4300



31.3743, 23.4862, 35.5820



30.7690, 23.4862, 15.4142

Sweetspot

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



15.2055, 23.4871, 17.6423



41.5165, 49.0521, 49.1473



17.0739, 24.6657, 7.9990



8.9312, 10.7377, 10.6083



71.1368, 74.8414, 81.5023



11.3376, 11.9280, 12.9896

Same Dimension

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



15.2055, 23.4871, 17.6423



24.7241, 40.8627, 27.2423



17.7408, 24.1240, 32.1562



5.8511, 6.5170, 6.8268



10.2627, 18.5779, 9.4248



0.1405, 0.2333, 0.1938

Inverse Universe

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



16.3081, 10.4576, 13.4718



26.8811, 15.4470, 19.1382



14.8267, 9.9902, 5.2848



5.9067, 5.8577, 6.6147



11.3645, 5.7509, 5.4007



0.1538, 0.0763, 0.1433

Previews

White Background



This preview shows how the XYZ color 15.2049, 23.4862, 17.6418 looks on a white background.

Color Contrast Check

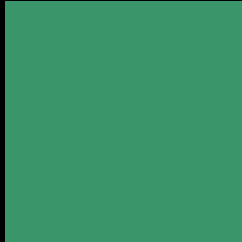
Large Text (above 18pt) WCAG AA ✓ Pass

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 15.2049, 23.4862, 17.6418 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 15.2049, 23.4862, 17.6418

Background



This preview shows how black text looks on a background with the XYZ color 15.2049, 23.4862, 17.6418.



This preview shows how white text looks on a background with the XYZ color 15.2049, 23.4862,

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

15.2049, 23.4862, 17.6418

Protanopia

21.6587, 23.1542, 15.1320

Deuteranopia

23.4629, 23.0240, 18.5367



Tritanopia

18.5568, 23.4739, 34.1247

Trichromacy



Original Color

15.2049, 23.4862, 17.6418

Protanomaly

18.1688, 22.5810, 15.9713

Deuteranomaly

18.9497, 22.3053, 18.0584

Tritanomaly

17.0950, 23.3221, 27.2675

Monochromacy



Original Color

15.2049, 23.4862, 17.6418

Achromatopsia

16.9083, 17.7888, 19.3720

Achromatomaly

15.6548, 19.3796, 18.5383

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.2049, 23.4862, 17.6418 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(59, 149, 107)` looks like.

```
.text, #text, p{  
    color:rgb(59, 149, 107)  
}
```

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(59, 149, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(59, 149, 107) }
```

Border

The CSS property to change the border of an element to XYZ 15.2049, 23.4862, 17.6418 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(59, 149, 107) }
```


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

```
.border{ border-color:rgb(59, 149, 107) }
```

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

Here you see how a box with a 4 pixel rgb(59, 149, 107) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(59, 149, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(59, 149, 107);  
box-shadow:4px 4px 4px 4px rgb(59, 149,  
107) }
```

Background

The CSS property to change the background color of an element to XYZ 15.2049, 23.4862, 17.6418 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(59, 149, 107) }
```

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

```
.background{ background-color: rgb(59, 149,  
107) }
```

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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