

Converting Colors

XYZ(12.3675, 19.1632, 9.4767)

Have a look what the booklet for
XYZ(12.3675, 19.1632, 9.4767)
contains.

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Color

**XYZ(12.3542, 19.0876,
9.5117)**

Conversions

Conversions Part 1

Format	Color
Hex	45874A
RGB	69, 135, 74
RGB Percent	27%, 53%, 29%
CMY	0.7294, 0.4706, 0.7098
CMYK	0.49, 0.00, 0.45, 0.47
HSL	125°, 32%, 40%
HSV	125°, 49%, 53%
XYZ	12.3542, 19.0876, 9.5117
YIQ	108.3120, -19.7550, -32.9630

Conversions

Conversions Part 2

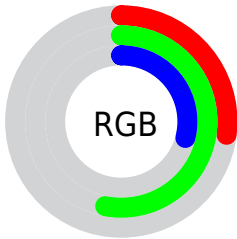
Format	Color
R_{YB}	69, 130, 135
Decimal	4556618
CIE _{Lab}	50.79, -34.61, 26.41
CIE _{LCh}	51, 43.536, 142.651
Yxy	19.0876, 0.3017, 0.4661
Android (android.graphics.Color)	4282746698 (0xFF45874A)
YUV	108.3120, -16.9158, -34.4766
Hunter-Lab	43.6894, -25.9813, 17.6744

Details

The XYZ color **12.3542, 19.0876, 9.5117** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **16.1496, 11.0190, 22.3951**, and the grayscale version is **14.3919, 15.1414, 16.4890**.

A 20% lighter version of the original color is **29.8617, 41.9880, 25.5994**, and **3.5179, 6.4956, 2.1670** is the 20% darker color. If you saturate the color by 10%, you get **11.1239, 18.4978, 7.4735**, and if you desaturate by 10%, it is **13.8868, 19.8247, 12.0002**.

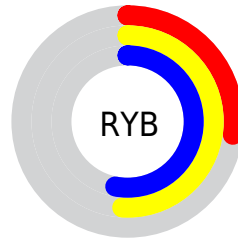
Distribution



Red (27%)

Green (53%)

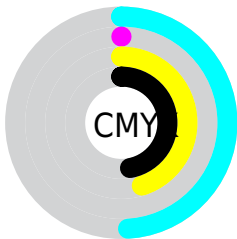
Blue (29%)



Red (27%)

Yellow (51%)

Blue (53%)

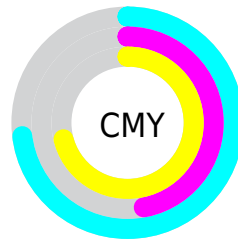


Cyan (49%)

Magenta (0%)

Yellow (45%)

Black (47%)



Cyan (73%)

Magenta (47%)

Yellow (71%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.3542, 19.0876, 9.5117 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 12.3542, 19.0876, 9.5117 by changing the saturation by 10% instead.

■ 12.3542, 19.0876,
9.5117

■ 12.3542, 19.0876,
9.5117

200.4587,
246.9319, 197.5071

■ 7.0593, 11.7336,
4.9751

■ 29.7499, 41.8821,
25.4662

■ 3.5459, 6.5625,
2.1742

■ 42.5814, 58.0913,
37.7212

■ 1.4486, 3.1901,
0.6594

■ 58.6557, 78.0211,
53.3860

■ 0.2904, 1.2317,
0.0000

■ 78.3384, 102.0558,
72.8793

■ 0.0000, 0.0874,
0.0000

■ 101.9947,
130.5799, 96.6194

■ 0.0000, 0.0000,
0.0000

129.9899,

163.9777, 125.0251

162.6894,
202.6335, 158.5148

■ 12.3542, 19.0876,
9.5117

■ 12.3542, 19.0876,
9.5117

■ 11.1239, 18.4978,
7.4735

■ 13.8868, 19.8247,
12.0002

■ 10.1746, 18.0431,
5.8574

■ 15.7383, 20.7156,
14.9624

■ 9.4842, 17.7136,
4.6343


■ 17.9260, 21.7691,
18.4213

■ 9.0272, 17.4967,
3.7706


■ 20.4653, 22.9927,
22.3984

■ 8.7472, 17.3641,
3.2262


■ 23.3708, 24.3937,
26.9138

 8.7204, 17.3512,
3.1833

 26.6563, 25.9785,
31.9865

 30.3348, 27.7536,
37.6346

 34.4186, 29.7250,
43.8753

 38.9197, 31.8985,
50.7253

Harmonies

Analogous

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



15.1535, 19.0876, 5.7364



12.3542, 19.0876, 9.5117



11.1422, 19.0876, 17.9112

Triad

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



12.3542, 19.0876, 9.5117



17.1095, 19.0876, 54.0236



26.8476, 19.0876, 12.9628

Complementary

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



12.3542, 19.0876, 9.5117



16.1496, 11.0190, 22.3951

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.



27.5909, 19.0876, 23.9467



12.3542, 19.0876, 9.5117



21.5001, 19.0876, 51.0104

Square

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



12.3542, 19.0876, 9.5117



13.5929, 19.0876, 45.7181



25.5034, 19.0876, 38.6148



23.6077, 19.0876, 7.1120

Rectangle

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



12.3542, 19.0876, 9.5117



11.2379, 19.0876, 26.3848



25.5034, 19.0876, 38.6148



27.4165, 19.0876, 16.0364

Sweetspot

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



12.3547, 19.0884, 9.5121



33.6433, 39.7257, 35.4108



19.0372, 22.5521, 8.9798



7.6046, 9.1100, 7.9075



65.7814, 69.2071, 75.3665



9.5508, 10.0482, 10.9424

Same Dimension

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



12.3547, 19.0884, 9.5121



19.6467, 32.9934, 12.9237



13.7410, 19.6429, 16.8126



4.6296, 5.2101, 5.0605



8.0433, 16.0002, 2.9474



0.0287, 0.0558, 0.0148

Inverse Universe

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



16.1496, 11.0190, 22.3951



27.2952, 16.7073, 38.8723



14.3060, 10.2816, 12.6873



4.8431, 4.7569, 5.7859



12.6155, 6.1106, 18.3456



0.0448, 0.0216, 0.0695

Previews

White Background



This preview shows how the XYZ color 12.3542, 19.0876, 9.5117 looks on a white background.

Color Contrast Check

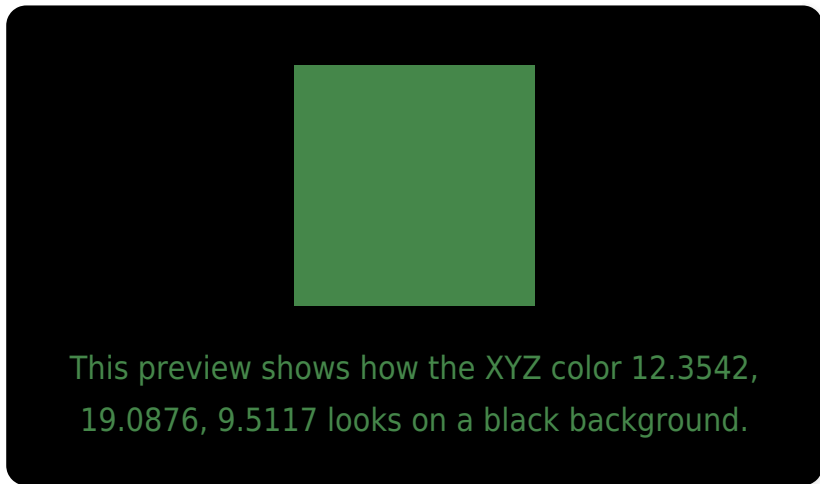
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

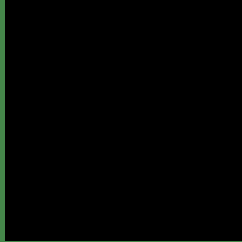
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 12.3542, 19.0876, 9.5117

Background



This preview shows how black text looks on a background with the XYZ color 12.3542, 19.0876, 9.5117.



This preview shows how white text looks on a background with the XYZ color 12.3542, 19.0876,

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

12.3542, 19.0876, 9.5117

Protanopia

17.3064, 18.7681, 8.3407

Deuteranopia

19.2191, 18.8457, 10.0218



Tritanopia

15.8739, 19.1123, 26.8972

Trichromacy



Original Color

12.3542, 19.0876, 9.5117

Protanomaly

14.7776, 18.3734, 8.7288

Deuteranomaly

15.6352, 18.2368, 9.7172

Tritanomaly

14.3527, 19.0901, 19.1479

Monochromacy



Original Color

12.3542, 19.0876, 9.5117

Achromatopsia

14.2537, 14.9960, 16.3306

Achromatomaly

13.2058, 16.1811, 13.4936

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.3542, 19.0876, 9.5117 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(69, 135, 74)` looks like.

```
.text, #text, p{  
    color:rgb(69, 135, 74)  
}
```

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(69, 135, 74) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(69, 135, 74) }
```

Border

The CSS property to change the border of an element to XYZ 12.3542, 19.0876, 9.5117 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(69, 135, 74) }
```


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

```
.border{ border-color:rgb(69, 135, 74) }
```

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

Here you see how a box with a 4 pixel `rgb(69, 135, 74)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(69, 135, 74); -webkit-box-  
shadow:4px 4px 4px 4px rgb(69, 135, 74);  
box-shadow:4px 4px 4px 4px rgb(69, 135,  
74) }
```

Background

The CSS property to change the background color of an element to XYZ 12.3542, 19.0876, 9.5117 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(69, 135, 74) }
```

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

```
.background{ background-color: rgb(69, 135,  
74) }
```

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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