

Converting Colors

XYZ(12.5059, 19.4064, 8.0877)

Have a look what the booklet for
XYZ(12.5059, 19.4064, 8.0877)
contains.

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Color

**XYZ(12.5059, 19.4064,
8.0877)**

Conversions

Conversions Part 1

Format	Color
Hex	498841
RGB	73, 136, 65
RGB Percent	29%, 53%, 25%
CMY	0.7137, 0.4667, 0.7451
CMYK	0.46, 0.00, 0.52, 0.47
HSL	113°, 35%, 39%
HSV	113°, 52%, 53%
XYZ	12.5059, 19.4064, 8.0877
YIQ	109.0690, -14.7570, -35.4370

Conversions

Conversions Part 2

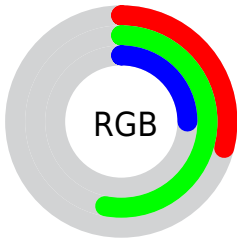
Format	Color
RYB	65, 136, 128
Decimal	4819009
CIELab	51.16, -35.17, 31.72
CIELCh	51, 47.362, 137.953
Yxy	19.4064, 0.3126, 0.4852
Android (android.graphics.Color)	4283009089 (0xFF498841)
YUV	109.0690, -21.7260, -31.6325
Hunter-Lab	44.0527, -26.4187, 19.9517

Details

The XYZ color **12.5059, 19.4064, 8.0877** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **15.2373, 10.1480, 24.4492**, and the grayscale version is **14.6185, 15.3798, 16.7486**.

A 20% lighter version of the original color is **30.1122, 42.5003, 22.8360**, and **3.5888, 6.6598, 1.6686** is the 20% darker color. If you saturate the color by 10%, you get **11.3312, 18.8416, 6.2182**, and if you desaturate by 10%, it is **13.9539, 20.1023, 10.4661**.

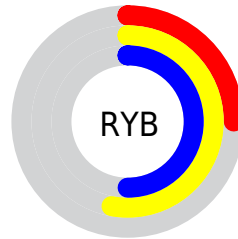
Distribution



Red (29%)

Green (53%)

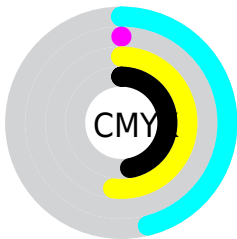
Blue (25%)



Red (25%)

Yellow (53%)

Blue (50%)

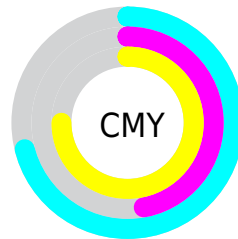


Cyan (46%)

Magenta (0%)

Yellow (52%)

Black (47%)



Cyan (71%)

Magenta (47%)

Yellow (75%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.5059, 19.4064, 8.0877 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 12.5059, 19.4064, 8.0877 by changing the saturation by 10% instead.

■ 12.5059, 19.4064,
8.0877

■ 12.5059, 19.4064,
8.0877

201.4286,
248.6832, 186.3785

■ 7.1638, 11.9643,
4.0625

■ 30.0221, 42.4197,
22.6792

■ 3.6120, 6.7194,
1.6597

■ 42.9270, 58.7597,
34.0826

■ 1.4851, 3.2872,
0.3329

■ 59.0836, 78.8344,
48.7825

■ 0.3156, 1.2835,
0.0000

■ 78.8571, 103.0283,
67.1975

■ 0.0000, 0.1283,
0.0000

■ 102.6130,
131.7257, 89.7460

■ 0.0000, 0.0000,
0.0000

130.7167,

165.3111, 116.8467

163.5334,
204.1688, 148.9180

■ 12.5059, 19.4064,
8.0877

■ 12.5059, 19.4064,
8.0877

■ 11.3312, 18.8416,
6.2182

■ 13.9539, 20.1023,
10.4661

■ 10.4112, 18.3973,
4.8193

■ 15.6895, 20.9342,
13.3855

■ 9.7271, 18.0654,
3.8495

■ 17.7277, 21.9098,
16.8766

■ 9.2569, 17.8355,
3.2593

■ 20.0820, 23.0354,
20.9678

■ 9.0068, 17.7133,
2.9443

■ 22.7652, 24.3170,
25.6853

■ 25.7893, 25.7602,
31.0539

■ 29.1656, 27.3705,
37.0971

■ 32.9050, 29.1530,
43.8371

■ 37.0179, 31.1124,
51.2952

Harmonies

Analogous

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



15.7930, 19.4064, 4.8173



12.5059, 19.4064, 8.0877



10.9323, 19.4064, 16.1675

Triad

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



12.5059, 19.4064, 8.0877



16.6194, 19.4064, 57.9834



28.4678, 19.4064, 14.1034

Complementary

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



12.5059, 19.4064, 8.0877



15.2373, 10.1480, 24.4492

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.



28.7915, 19.4064, 27.0169



12.5059, 19.4064, 8.0877



21.3789, 19.4064, 56.6386

Square

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



12.5059, 19.4064, 8.0877



13.0219, 19.4064, 46.8250



26.0181, 19.4064, 43.6868



25.1973, 19.4064, 7.1321

Rectangle

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



12.5059, 19.4064, 8.0877



10.8533, 19.4064, 24.9246



26.0181, 19.4064, 43.6868



28.9429, 19.4064, 17.7420

Sweetspot

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



12.5064, 19.4072, 8.0881



33.6016, 39.7392, 33.8326



18.7906, 20.9814, 8.0608



7.6122, 9.1220, 7.5406



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.



12.5064, 19.4072, 8.0881



19.5809, 33.0163, 10.3572



12.9260, 19.5095, 13.2599



5.0208, 5.6335, 5.3751



8.5288, 16.7668, 2.7868



0.0625, 0.1144, 0.0188

Inverse Universe

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



15.2373, 10.1480, 24.4492



24.9270, 14.7604, 42.5836



14.7930, 10.1148, 15.5803



5.1793, 5.1009, 6.3174



11.6316, 5.5104, 22.4963



0.0846, 0.0404, 0.1498

Previews

White Background



This preview shows how the XYZ color 12.5059, 19.4064, 8.0877 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 12.5059, 19.4064, 8.0877 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 12.5059, 19.4064, 8.0877

Background



This preview shows how black text looks on a background with the XYZ color 12.5059, 19.4064, 8.0877.



This preview shows how white text looks on a background with the XYZ color 12.5059, 19.4064,

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

12.5059, 19.4064, 8.0877

Protanopia

17.4845, 19.0693, 7.0342

Deuteranopia

19.5636, 19.2289, 8.4748



Tritanopia

16.2371, 19.2996, 26.9142

Trichromacy



Original Color

12.5059, 19.4064, 8.0877

Protanomaly

15.0124, 18.7143, 7.3784

Deuteranomaly

16.0115, 18.6482, 8.2244

Tritanomaly

14.4652, 19.1741, 17.9775

Monochromacy



Original Color

12.5059, 19.4064, 8.0877

Achromatopsia

14.5356, 15.2926, 16.6537

Achromatomaly

13.3965, 16.4708, 12.8290

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.5059, 19.4064, 8.0877 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(73, 136, 65)` looks like.

```
.text, #text, p{  
    color:rgb(73, 136, 65)  
}
```

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(73, 136, 65) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(73, 136, 65) }
```

Border

The CSS property to change the border of an element to XYZ 12.5059, 19.4064, 8.0877 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(73, 136, 65) }
```


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

```
.border{ border-color:rgb(73, 136, 65) }
```

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

Here you see how a box with a 4 pixel rgb(73, 136, 65) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(73, 136, 65); -webkit-box-  
shadow:4px 4px 4px 4px rgb(73, 136, 65);  
box-shadow:4px 4px 4px 4px rgb(73, 136,  
65) }
```

Background

The CSS property to change the background color of an element to XYZ 12.5059, 19.4064, 8.0877 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(73, 136, 65) }
```

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

```
.background{ background-color: rgb(73, 136,  
65) }
```

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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