

Converting Colors

XYZ(12.5132, 19.2928, 15.4646)

Have a look what the booklet for
XYZ(12.5132, 19.2928, 15.4646)
contains.

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Color

**XYZ(12.4685, 19.2260,
15.3658)**

Conversions

Conversions Part 1

Format	Color
Hex	328865
RGB	50, 136, 101
RGB Percent	20%, 53%, 40%
CMY	0.8039, 0.4667, 0.6039
CMYK	0.63, 0.00, 0.26, 0.47
HSL	156°, 46%, 36%
HSV	156°, 63%, 53%
XYZ	12.4685, 19.2260, 15.3658
YIQ	106.2960, -40.0210, -29.1170

Conversions

Conversions Part 2

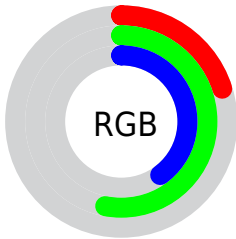
Format	Color
RYB	50, 104, 136
Decimal	3311717
CIELab	50.95, -34.52, 11.31
CIELCh	51, 36.328, 161.868
Yxy	19.2260, 0.2649, 0.4085
Android (android.graphics.Color)	4281501797 (0xFF328865)
YUV	106.2960, -2.6109, -49.3716
Hunter-Lab	43.8475, -25.9747, 9.9158

Details

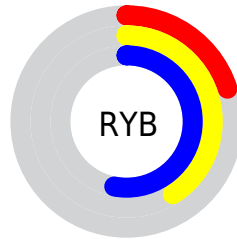
The XYZ color **12.4685, 19.2260, 15.3658** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **12.9342, 8.1717, 9.4905**, and the grayscale version is **13.7961, 14.5145, 15.8063**.

A 20% lighter version of the original color is **29.9067, 42.0972, 36.2551**, and **3.9144, 6.7633, 4.5892** is the 20% darker color. If you saturate the color by 10%, you get **11.6330, 18.8261, 13.9586**, and if you desaturate by 10%, it is **13.5226, 19.7375, 16.8794**.

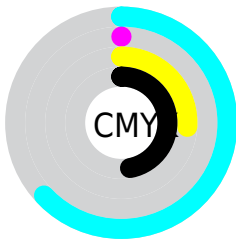
Distribution



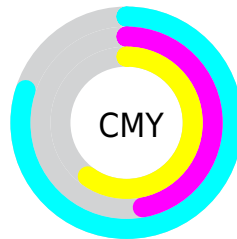
- Red (20%)
- Green (53%)
- Blue (40%)



- Red (20%)
- Yellow (41%)
- Blue (53%)



- Cyan (63%)
- Magenta (0%)
- Yellow (26%)
- Black (47%)



- Cyan (80%)
- Magenta (47%)
- Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.4685, 19.2260, 15.3658 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 12.4685, 19.2260, 15.3658 by changing the saturation by 10% instead.

■ 12.4685, 19.2260,
15.3658

■ 12.4685, 19.2260,
15.3658

201.1899,
247.6936, 237.2863

■ 7.1381, 11.8337,
8.9270

■ 29.9551, 42.1156,
36.2450

■ 3.5957, 6.6305,
4.5975

■ 42.8419, 58.3818,
51.5225

■ 1.4760, 3.2321,
1.9585

■ 58.9782, 78.3746,
70.5833

■ 0.3094, 1.2541,
0.5296

■ 78.7294, 102.4786,
93.8460

■ 0.0000, 0.1052,
0.0000

■ 102.4608,
131.0781, 121.7291

■ 0.0000, 0.0000,
0.0000

■ 130.5378,

164.5575, 154.6512

163.3257,
203.3012, 193.0307

■ 12.4685, 19.2260,
15.3658

■ 12.4685, 19.2260,
15.3658

■ 11.6330, 18.8261,
13.9586

■ 13.5226, 19.7375,
16.8794

■ 10.9959, 18.5258,
12.6538

■ 14.8100, 20.3667,
18.5007

■ 10.5355, 18.3147,
11.4489

■ 16.3461, 21.1218,
20.2327

■ 10.2767, 18.1979,
10.6871

■ 18.1443, 22.0098,
22.0775

■ 20.2171, 23.0372,
24.0375

■ 22.5762, 24.2098,
26.1149

■ 25.2325, 25.5332,
28.3118

■ 28.1963, 27.0129,
30.6302

■ 31.4777, 28.6539,
33.0721

Harmonies

Analogous

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



14.0438, 19.2260, 9.3954



12.4685, 19.2260, 15.3658



12.3179, 19.2260, 25.2675

Triad

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



12.4685, 19.2260, 15.3658



19.7302, 19.2260, 46.8448



23.9098, 19.2260, 10.3193

Complementary

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



12.4685, 19.2260, 15.3658



12.9342, 8.1717, 9.4905

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.



25.8937, 19.2260, 17.1264



12.4685, 19.2260, 15.3658



23.2776, 19.2260, 39.3712

Square

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



12.4685, 19.2260, 15.3658



16.2091, 19.2260, 45.8951



25.6483, 19.2260, 27.7067



20.5066, 19.2260, 7.2084

Rectangle

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



12.4685, 19.2260, 15.3658



13.0170, 19.2260, 33.1990



25.6483, 19.2260, 27.7067



24.7837, 19.2260, 12.1365

Sweetspot

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



12.4690, 19.2268, 15.3662



33.3125, 39.4488, 40.2017



13.2029, 19.8099, 6.1457



7.5091, 9.0340, 9.1120



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.



12.4690, 19.2268, 15.3662



19.9633, 32.9216, 23.5614



13.5882, 18.1131, 26.0734



5.0881, 5.6547, 5.9850



9.7309, 17.2249, 10.1393



0.0719, 0.1173, 0.1057

Inverse Universe

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



12.9342, 8.1717, 9.4905



20.8707, 11.7530, 12.3926



12.2010, 8.4077, 3.9976



5.1117, 5.0801, 5.6769



10.2749, 5.2201, 3.9519



0.0752, 0.0375, 0.0629

Previews

White Background



This preview shows how the XYZ color 12.4685, 19.2260, 15.3658 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 12.4685, 19.2260, 15.3658 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 12.4685, 19.2260, 15.3658

Background



This preview shows how black text looks on a background with the XYZ color 12.4685, 19.2260, 15.3658.



This preview shows how white text looks on a background with the XYZ color 12.4685, 19.2260,

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

12.4685, 19.2260, 15.3658

Protanopia

17.7901, 18.9082, 13.3017

Deuteranopia

19.2764, 18.9140, 15.9994



Tritanopia

15.1040, 19.2795, 28.1246

Trichromacy



Original Color

12.4685, 19.2260, 15.3658

Protanomaly

14.8741, 18.4941, 14.0950

Deuteranomaly

15.5255, 18.2296, 15.7971

Tritanomaly

14.0169, 19.2421, 22.7140

Monochromacy



Original Color

12.4685, 19.2260, 15.3658

Achromatopsia

13.6994, 14.4128, 15.6956

Achromatomaly

12.6977, 15.7005, 15.4580

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.4685, 19.2260, 15.3658 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(50, 136, 101)` looks like.

```
.text, #text, p{  
    color:rgb(50, 136, 101)  
}
```

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(50, 136, 101) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(50, 136, 101) }
```

Border

The CSS property to change the border of an element to XYZ 12.4685, 19.2260, 15.3658 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(50, 136, 101) }
```


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

```
.border{ border-color:rgb(50, 136, 101) }
```

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

Here you see how a box with a 4 pixel `rgb(50, 136, 101)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(50, 136, 101); -webkit-box-  
shadow:4px 4px 4px 4px rgb(50, 136, 101);  
box-shadow:4px 4px 4px 4px rgb(50, 136,  
101) }
```

Background

The CSS property to change the background color of an element to XYZ 12.4685, 19.2260, 15.3658 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(50, 136, 101) }
```

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

```
.background{ background-color: rgb(50, 136,  
101) }
```

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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