

Converting Colors

XYZ(11.9970, 16.9246, 9.2911)

Have a look what the booklet for
XYZ(11.9970, 16.9246, 9.2911)
contains.

XYZ(11.9970, 16.9246, 9.2911)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(11.9970, 16.9246,
9.2911)**

Conversions

Conversions Part 1

Format	Color
Hex	517D4B
RGB	81, 125, 75
RGB Percent	32%, 49%, 29%
CMY	0.6823, 0.5098, 0.7059
CMYK	0.35, 0.00, 0.40, 0.51
HSL	113°, 25%, 39%
HSV	113°, 40%, 49%
XYZ	11.9970, 16.9246, 9.2911
YIQ	106.1440, -10.1740, -24.8780

Conversions

Conversions Part 2

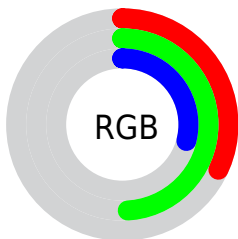
Format	Color
RYB	75, 125, 119
Decimal	5340491
CIELab	48.16, -25.76, 22.58
CIELCh	48, 34.255, 138.767
Yxy	16.9246, 0.3140, 0.4429
Android (android.graphics.Color)	4283530571 (0xFF517D4B)
YUV	106.1440, -15.3540, -22.0513
Hunter-Lab	41.1395, -19.9404, 15.4074

Details

The XYZ color **11.9970, 16.9246, 9.2911** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **13.8263, 10.4353, 20.6885**, and the grayscale version is **13.7823, 14.5000, 15.7906**.

A 20% lighter version of the original color is **29.0742, 38.2016, 24.9100**, and **3.4144, 5.5697, 2.1234** is the 20% darker color. If you saturate the color by 10%, you get **10.7431, 16.3234, 7.2144**, and if you desaturate by 10%, it is **13.4886, 17.6397, 11.8186**.

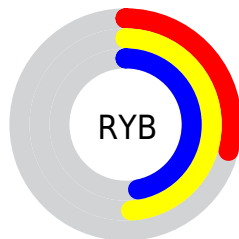
Distribution



Red (32%)

Green (49%)

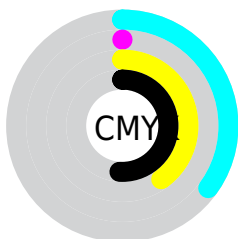
Blue (29%)



Red (29%)

Yellow (49%)

Blue (47%)

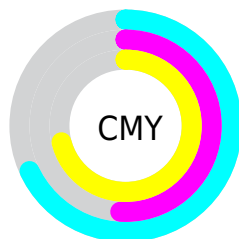


Cyan (35%)

Magenta (0%)

Yellow (40%)

Black (51%)



Cyan (68%)

Magenta (51%)

Yellow (71%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 11.9970, 16.9246, 9.2911 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 11.9970, 16.9246, 9.2911 by changing the saturation by 10% instead.

■ 11.9970, 16.9246,
9.2911

■ 11.9970, 16.9246,
9.2911

198.1557,
234.7375, 195.8322

■ 6.8138, 10.1807,
4.8321

■ 29.1065, 38.1961,
25.0399

■ 3.3912, 5.5190,
2.0921

■ 41.7636, 53.4925,
37.1669

■ 1.3639, 2.5549,
0.6111

■ 57.6427, 72.4086,
52.6869

■ 0.2303, 0.9040,
0.0000

■ 77.1092, 95.3287,
72.0186

■ 0.0000, 0.0000,
0.0000

■ 100.5283,
122.6373, 95.5804

128.2656,

154.7187, 123.7909

160.6863,
191.9573, 157.0687

■ 11.9970, 16.9246,
9.2911

■ 11.9970, 16.9246,
9.2911

■ 10.7431, 16.3234,
7.2144

■ 13.4886, 17.6397,
11.8186

■ 9.7133, 15.8280,
5.5609

■ 15.2280, 18.4717,
14.8199

■ 8.8947, 15.4330,
4.3018


■ 17.2264, 19.4266,
18.3181


■ 8.2723, 15.1314,
3.4044

■ 19.4936, 20.5088,
22.3341


■ 7.8294, 14.9153,
2.8304


■ 22.0394, 21.7230,
26.8879

 7.5309, 14.7695,
2.4539

 24.8725, 23.0734,
31.9982

 28.0018, 24.5640,
37.6830

 31.4354, 26.1987,
43.9594

 35.1812, 27.9813,
50.8438

Harmonies

Analogous

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



14.2390, 16.9246, 6.5074



11.9970, 16.9246, 9.2911



10.9071, 16.9246, 15.2904

Triad

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



11.9970, 16.9246, 9.2911



14.9498, 16.9246, 40.8337



22.4353, 16.9246, 13.4512

Complementary

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



11.9970, 16.9246, 9.2911



13.8263, 10.4353, 20.6885

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.



22.6900, 16.9246, 21.9679



11.9970, 16.9246, 9.2911



18.0869, 16.9246, 39.8523

Square

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



11.9970, 16.9246, 9.2911



12.4595, 16.9246, 34.5317



21.0130, 16.9246, 32.1705



20.3564, 16.9246, 8.3196

Rectangle

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



11.9970, 16.9246, 9.2911



10.8726, 16.9246, 21.1620



21.0130, 16.9246, 32.1705



22.7463, 16.9246, 15.9402

Sweetspot

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



11.9974, 16.9253, 9.2915



29.9854, 34.3752, 31.2866



16.2460, 17.9043, 9.2565



6.7371, 7.7792, 6.9700



60.6688, 63.8283, 69.5090



7.9400, 8.3535, 9.0970

Same Dimension

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



11.9974, 16.9253, 9.2915



19.4101, 29.3128, 13.2009



12.2264, 16.9601, 13.0632



4.3203, 4.8416, 4.6269



7.8560, 15.4123, 2.5608



0.0000, 0.0000, 0.0000

Inverse Universe

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



13.8263, 10.4353, 20.6885



23.1552, 15.9776, 36.6079



13.6105, 10.4471, 15.1179



4.4490, 4.3871, 5.4256



10.5713, 5.0034, 20.6585



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 11.9970, 16.9246, 9.2911 looks on a white 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

Black Background



This preview shows how the XYZ color 11.9970, 16.9246, 9.2911 looks on a black 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

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

XYZ 11.9970, 16.9246, 9.2911

Background



This preview shows how black text looks on a background with the XYZ color 11.9970, 16.9246, 9.2911.



This preview shows how white text looks on a background with the XYZ color 11.9970, 16.9246,

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

11.9970, 16.9246, 9.2911

Protanopia

15.4668, 16.7746, 8.3839

Deuteranopia

17.0333, 16.7360, 9.7298



Tritanopia

14.8075, 16.9763, 22.9184

Trichromacy



Original Color

11.9970, 16.9246, 9.2911

Protanomaly

13.8325, 16.6129, 8.6085

Deuteranomaly

14.7083, 16.5245, 9.6221

Tritanomaly

13.5282, 16.8051, 16.9987

Monochromacy



Original Color

11.9970, 16.9246, 9.2911

Achromatopsia

13.6994, 14.4128, 15.6956

Achromatomaly

12.9005, 15.1779, 13.0762

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.9970, 16.9246, 9.2911 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(81, 125, 75)` looks like.

```
.text, #text, p{  
    color:rgb(81, 125, 75)  
}
```

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(81, 125, 75) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(81, 125, 75) }
```

Border

The CSS property to change the border of an element to XYZ 11.9970, 16.9246, 9.2911 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(81, 125, 75) }
```


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

```
.border{ border-color:rgb(81, 125, 75) }
```

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

Here you see how a box with a 4 pixel `rgb(81, 125, 75)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(81, 125, 75); -webkit-box-  
shadow:4px 4px 4px 4px rgb(81, 125, 75);  
box-shadow:4px 4px 4px 4px rgb(81, 125,  
75) }
```

Background

The CSS property to change the background color of an element to XYZ 11.9970, 16.9246, 9.2911 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(81, 125, 75) }
```

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

```
.background{ background-color: rgb(81, 125,  
75) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor