

Converting Colors

XYZ(11.2504, 16.7032, 7.5018)

Have a look what the booklet for
XYZ(11.2504, 16.7032, 7.5018)
contains.

XYZ(11.2879, 16.7877, 7.4959)	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(11.2879, 16.7877,
7.4959)**

Conversions

Conversions Part 1

Format	Color
Hex	4B7E40
RGB	75, 126, 64
RGB Percent	29%, 49%, 25%
CMY	0.7059, 0.5059, 0.7490
CMYK	0.40, 0.00, 0.49, 0.51
HSL	109°, 33%, 37%
HSV	109°, 49%, 49%
XYZ	11.2879, 16.7877, 7.4959
YIQ	103.6830, -10.4940, -30.0940

Conversions

Conversions Part 2

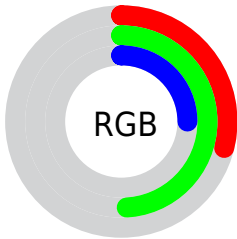
Format	Color
RYB	64, 126, 115
Decimal	4947520
CIELab	47.99, -30.06, 28.36
CIELCh	48, 41.324, 136.662
Yxy	16.7877, 0.3173, 0.4719
Android (android.graphics.Color)	4283137600 (0xFF4B7E40)
YUV	103.6830, -19.5637, -25.1550
Hunter-Lab	40.9728, -22.5261, 17.8340

Details

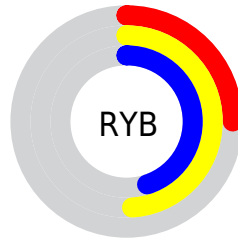
The XYZ color **11.2879, 16.7877, 7.4959** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **12.6703, 8.8185, 20.7739**, and the grayscale version is **13.1263, 13.8099, 15.0390**.

A 20% lighter version of the original color is **27.8531, 37.9445, 21.4788**, and **3.0703, 5.4067, 1.4541** is the 20% darker color. If you saturate the color by 10%, you get **10.2235, 16.2763, 5.7814**, and if you desaturate by 10%, it is **12.5663, 17.4010, 9.6441**.

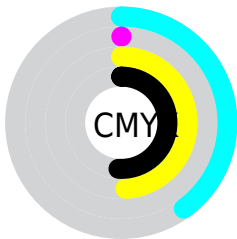
Distribution



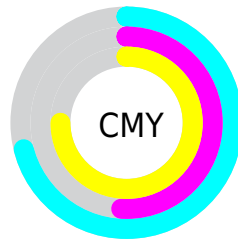
- Red (29%)
- Green (49%)
- Blue (25%)



- Red (25%)
- Yellow (49%)
- Blue (45%)



- Cyan (40%)
- Magenta (0%)
- Yellow (49%)
- Black (51%)



- Cyan (71%)
- Magenta (51%)
- Yellow (75%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 11.2879, 16.7877, 7.4959 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 11.2879, 16.7877, 7.4959 by changing the saturation by 10% instead.

■ 11.2879, 16.7877,
7.4959

■ 11.2879, 16.7877,
7.4959

193.5000,
233.9460, 181.5072

■ 6.3295, 10.0832,
3.6910

■ 27.8196, 37.9604,
21.4937

■ 3.0890, 5.4542,
1.4574

■ 40.1236, 53.1974,
32.5237

■ 1.2010, 2.5161,
0.1859

■ 55.6069, 72.0474,
46.7992

■ 0.1072, 0.8847,
0.0000

■ 74.6349, 94.8948,
64.7387

■ 0.0000, 0.0000,
0.0000

■ 97.5728, 122.1240,
86.7606

■ 124.7860,

154.1193, 113.2837

156.6400,
191.2651, 144.7264

■ 11.2879, 16.7877,
7.4959

■ 11.2879, 16.7877,
7.4959

■ 10.2235, 16.2763,
5.7814

■ 12.5663, 17.4010,
9.6441

■ 9.3600, 15.8593,
4.4701

■ 14.0684, 18.1192,
12.2516

■ 8.6845, 15.5312,
3.5292


■ 15.8049, 18.9478,
15.3433


■ 8.1824, 15.2853,
2.9205

■ 17.7852, 19.8911,
18.9420


■ 7.8240, 15.1088,
2.5326


■ 20.0186, 20.9534,
23.0690

 7.7999, 15.0970,
2.5029

 22.5134, 22.1386,
27.7444

 25.2779, 23.4506,
32.9873

 28.3198, 24.8929,
38.8159

 31.6467, 26.4690,
45.2475

Harmonies

Analogous

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



13.9870, 16.7877, 4.8182



11.2879, 16.7877, 7.4959



9.9459, 16.7877, 13.9382

Triad

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



11.2879, 16.7877, 7.4959



14.3582, 16.7877, 46.4321



23.8600, 16.7877, 12.9998

Complementary

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



11.2879, 16.7877, 7.4959



12.6703, 8.8185, 20.7739

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.



24.0011, 16.7877, 23.4385



11.2879, 16.7877, 7.4959



18.1021, 16.7877, 45.8605

Square

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



11.2879, 16.7877, 7.4959



11.5230, 16.7877, 37.6562



21.7612, 16.7877, 36.3089



21.4015, 16.7877, 7.0405

Rectangle

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



11.2879, 16.7877, 7.4959



9.8404, 16.7877, 20.7667



21.7612, 16.7877, 36.3089



24.1920, 16.7877, 15.9983

Sweetspot

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



11.2883, 16.7884, 7.4963



29.1110, 33.9666, 29.3409



15.6193, 16.9845, 7.3059



6.4888, 7.6628, 6.4334



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.



11.2883, 16.7884, 7.4963



17.7987, 28.5542, 9.8698



11.1616, 16.6468, 10.9377



4.3417, 4.8526, 4.6279



7.9988, 15.4859, 2.5675



0.0000, 0.0000, 0.0000

Inverse Universe

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



12.6703, 8.8185, 20.7739



20.5060, 12.7773, 36.1298



13.0588, 9.1511, 14.8145



4.4257, 4.3751, 5.4245



9.6753, 4.5415, 20.6166



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 11.2879, 16.7877, 7.4959 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 11.2879, 16.7877, 7.4959 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 11.2879, 16.7877, 7.4959

Background



This preview shows how black text looks on a background with the XYZ color 11.2879, 16.7877, 7.4959.



This preview shows how white text looks on a background with the XYZ color 11.2879, 16.7877,

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

11.2879, 16.7877, 7.4959

Protanopia

15.2904, 16.7208, 6.6965

Deuteranopia

16.7225, 16.4608, 7.7647



Tritanopia

14.4236, 16.7784, 22.9004

Trichromacy



Original Color

11.2879, 16.7877, 7.4959

Protanomaly

13.3841, 16.4196, 6.8788

Deuteranomaly

14.0833, 16.2441, 7.7034

Tritanomaly

13.0766, 16.7780, 15.9139

Monochromacy



Original Color

11.2879, 16.7877, 7.4959

Achromatopsia

13.1579, 13.8432, 15.0752

Achromatomaly

12.1115, 14.6368, 11.6380

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.2879, 16.7877, 7.4959 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(75, 126, 64)` looks like.

```
.text, #text, p{  
    color:rgb(75, 126, 64)  
}
```

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(75, 126, 64) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(75, 126, 64) }
```

Border

The CSS property to change the border of an element to XYZ 11.2879, 16.7877, 7.4959 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(75, 126, 64) }
```


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

```
.border{ border-color:rgb(75, 126, 64) }
```

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

Here you see how a box with a 4 pixel rgb(75, 126, 64) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(75, 126, 64); -webkit-box-  
shadow:4px 4px 4px 4px rgb(75, 126, 64);  
box-shadow:4px 4px 4px 4px rgb(75, 126,  
64) }
```

Background

The CSS property to change the background color of an element to XYZ 11.2879, 16.7877, 7.4959 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(75, 126, 64) }
```

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

```
.background{ background-color: rgb(75, 126,  
64) }
```

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