

Converting Colors

XYZ(11.1867, 16.0481, 9.6442)

Have a look what the booklet for
XYZ(11.1867, 16.0481, 9.6442)
contains.

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Color

**XYZ(11.2821, 16.1718,
9.7346)**

Conversions

Conversions Part 1

Format	Color
Hex	4A7B4E
RGB	74, 123, 78
RGB Percent	29%, 48%, 31%
CMY	0.7098, 0.5176, 0.6941
CMYK	0.40, 0.00, 0.37, 0.52
HSL	125°, 25%, 39%
HSV	125°, 40%, 48%
XYZ	11.2821, 16.1718, 9.7346
YIQ	103.2190, -14.7590, -24.3830

Conversions

Conversions Part 2

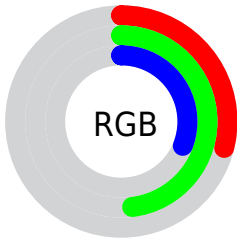
Format	Color
RYB	74, 119, 123
Decimal	4881230
CIELab	47.20, -26.68, 19.53
CIElCh	47, 33.068, 143.792
Yxy	16.1718, 0.3034, 0.4349
Android (android.graphics.Color)	4283071310 (0xFF4A7B4E)
YUV	103.2190, -12.4330, -25.6251
Hunter-Lab	40.2142, -20.2966, 13.7977

Details

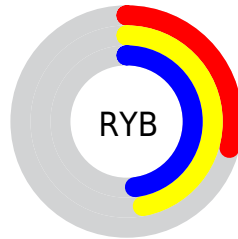
The XYZ color **11.2821, 16.1718, 9.7346** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **13.9474, 10.4406, 18.7332**, and the grayscale version is **12.9851, 13.6614, 14.8772**.

A 20% lighter version of the original color is **27.8135, 36.9429, 25.7434**, and **3.1000, 5.2016, 2.2795** is the 20% darker color. If you saturate the color by 10%, you get **10.0554, 15.5827, 7.7418**, and if you desaturate by 10%, it is **12.7644, 16.8855, 12.1033**.

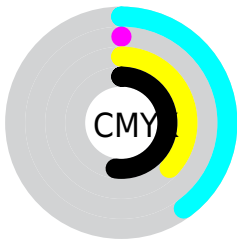
Distribution



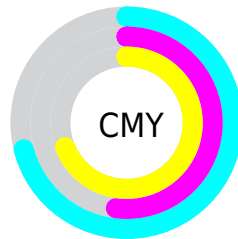
- Red (29%)
- Green (48%)
- Blue (31%)



- Red (29%)
- Yellow (47%)
- Blue (48%)



- Cyan (40%)
- Magenta (0%)
- Yellow (37%)
- Black (52%)



- Cyan (71%)
- Magenta (52%)
- Yellow (69%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 11.2821, 16.1718, 9.7346 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 11.2821, 16.1718, 9.7346 by changing the saturation by 10% instead.

■ 11.2821, 16.1718,
9.7346

■ 11.2821, 16.1718,
9.7346

193.4614,
230.3533, 199.1827

■ 6.3256, 9.6458,
5.1201

■ 27.8090, 36.8962,
25.8951

■ 3.0866, 5.1648,
2.2579

■ 40.1101, 51.8634,
38.2781

■ 1.1997, 2.3443,
0.7075

■ 55.5901, 70.4131,
54.0876

■ 0.1061, 0.7970,
0.0000

■ 74.6144, 92.9297,
73.7423

■ 0.0000, 0.0000,
0.0000

■ 97.5483, 119.7977,
97.6606

124.7573,

151.4013, 126.2611

156.6065,
188.1251, 159.9623

■ 11.2821, 16.1718,
9.7346

■ 11.2821, 16.1718,
9.7346

■ 10.0554, 15.5827,
7.7418

■ 12.7644, 16.8855,
12.1033

■ 9.0687, 15.1093,
6.1046

■ 14.5144, 17.7284,
14.8646

■ 8.3066, 14.7444,
4.8023


■ 16.5448, 18.7070,
18.0357


■ 7.7512, 14.4795,
3.8118


■ 18.8672, 19.8270,
21.6322


■ 7.3822, 14.3045,
3.1071

■ 21.4925, 21.0938,
25.6691


 7.1418, 14.1902,
2.6562

 24.4311, 22.5123,
30.1607

 7.1383, 14.1886,
2.6509

 27.6928, 24.0874,
35.1204

 31.2871, 25.8237,
40.5613

 35.2231, 27.7255,
46.4958

Harmonies

Analogous

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



13.2214, 16.1718, 6.6358



11.2821, 16.1718, 9.7346



10.4505, 16.1718, 15.9311

Triad

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



11.2821, 16.1718, 9.7346



14.7734, 16.1718, 38.8376



21.0828, 16.1718, 11.9004

Complementary

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



11.2821, 16.1718, 9.7346



13.9474, 10.4406, 18.7332

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.



21.6343, 16.1718, 19.3994



11.2821, 16.1718, 9.7346



17.7414, 16.1718, 36.7277

Square

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



11.2821, 16.1718, 9.7346



12.2956, 16.1718, 33.9698



20.3443, 16.1718, 28.8775



18.9202, 16.1718, 7.5819

Rectangle

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



11.2821, 16.1718, 9.7346



10.5502, 16.1718, 21.7134



20.3443, 16.1718, 28.8775



21.4732, 16.1718, 14.0563

Sweetspot

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



11.2825, 16.1725, 9.7350



28.6855, 33.0445, 30.8316



16.0284, 18.6352, 9.2307



6.6665, 7.7394, 7.1221



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.



11.2825, 16.1725, 9.7350



18.1372, 27.9665, 14.0782



12.2941, 16.5771, 15.0619



3.9629, 4.4548, 4.3387



7.3832, 14.6769, 2.7368



35.0837, 69.9565, 12.3448

Inverse Universe

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



13.9474, 10.4406, 18.7332



23.6243, 16.1548, 32.5993



12.6938, 9.9392, 12.1318



4.1410, 4.0721, 4.9404



11.5301, 5.5882, 16.6142



54.8501, 26.5964, 78.4638

Previews

White Background



This preview shows how the XYZ color 11.2821, 16.1718, 9.7346 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 11.2821, 16.1718, 9.7346 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 11.2821, 16.1718, 9.7346

Background



This preview shows how black text looks on a background with the XYZ color 11.2821, 16.1718, 9.7346.



This preview shows how white text looks on a background with the XYZ color 11.2821, 16.1718,

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

11.2821, 16.1718, 9.7346

Protanopia

14.7722, 15.9149, 8.5966

Deuteranopia

16.2964, 16.0301, 10.2179



Tritanopia

13.7833, 16.1138, 22.1225

Trichromacy



Original Color

11.2821, 16.1718, 9.7346

Protanomaly

13.1097, 15.7125, 8.9985

Deuteranomaly

13.9459, 15.7838, 10.0961

Tritanomaly

12.6654, 16.0033, 16.8894

Monochromacy



Original Color

11.2821, 16.1718, 9.7346

Achromatopsia

12.8919, 13.5633, 14.7705

Achromatomaly

12.0099, 14.2353, 12.7044

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.2821, 16.1718, 9.7346 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(74, 123, 78)` looks like.

```
.text, #text, p{  
    color:rgb(74, 123, 78)  
}
```

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(74, 123, 78) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(74, 123, 78) }
```

Border

The CSS property to change the border of an element to XYZ 11.2821, 16.1718, 9.7346 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(74, 123, 78) }
```


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

```
.border{ border-color:rgb(74, 123, 78) }
```

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

Here you see how a box with a 4 pixel `rgb(74, 123, 78)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(74, 123, 78); -webkit-box-  
shadow:4px 4px 4px 4px rgb(74, 123, 78);  
box-shadow:4px 4px 4px 4px rgb(74, 123,  
78) }
```

Background

The CSS property to change the background color of an element to XYZ 11.2821, 16.1718, 9.7346 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(74, 123, 78) }
```

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

```
.background{ background-color: rgb(74, 123,  
78) }
```

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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