

Converting Colors

XYZ(14.4019, 16.1908, 30.0860)

Have a look what the booklet for
XYZ(14.4019, 16.1908, 30.0860)
contains.

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Color

**XYZ(14.4518, 16.2850,
29.9854)**

Conversions

Conversions Part 1

Format	Color
Hex	4A7593
RGB	74, 117, 147
RGB Percent	29%, 46%, 58%
CMY	0.7098, 0.5412, 0.4235
CMYK	0.50, 0.20, 0.00, 0.42
HSL	205°, 33%, 43%
HSV	205°, 50%, 58%
XYZ	14.4518, 16.2850, 29.9854
YIQ	107.5630, -35.2580, 0.2140

Conversions

Conversions Part 2

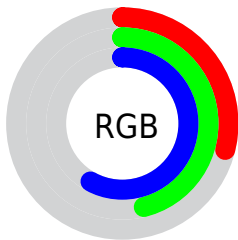
Format	Color
R_{YB}	74, 101, 147
Decimal	4879763
CIE _{Lab}	47.35, -6.18, -20.90
CIE _{LCh}	47, 21.796, 253.542
Yxy	16.2850, 0.2380, 0.2682
Android (android.graphics.Color)	4283069843 (0xFF4A7593)
YUV	107.5630, 19.4424, -29.4348
Hunter-Lab	40.3547, -6.6963, -15.8069

Details

The XYZ color **14.4518, 16.2850, 29.9854** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **18.2195, 16.5987, 8.7228**, and the grayscale version is **14.0867, 14.8203, 16.1393**.

A 20% lighter version of the original color is **33.4830, 37.1050, 60.6556**, and **4.4706, 5.2199, 11.8383** is the 20% darker color. If you saturate the color by 10%, you get **12.7683, 14.4060, 29.7117**, and if you desaturate by 10%, it is **16.4463, 18.3924, 30.2874**.

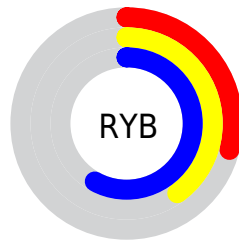
Distribution



Red (29%)

Green (46%)

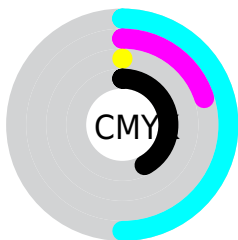
Blue (58%)



Red (29%)

Yellow (40%)

Blue (58%)

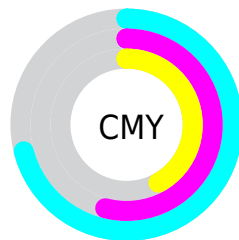


Cyan (50%)

Magenta (20%)

Yellow (0%)

Black (42%)



Cyan (71%)

Magenta (54%)

Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 14.4518, 16.2850, 29.9854 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 14.4518, 16.2850, 29.9854 by changing the saturation by 10% instead.

■ 14.4518, 16.2850,
29.9854

■ 14.4518, 16.2850,
29.9854

213.4785,
231.0176, 316.0416

■ 8.5194, 9.7261,
19.5755

■ 33.4682, 37.0923,
60.6998

■ 4.4836, 5.2177,
11.9059

■ 47.2828, 52.1094,
81.8415

■ 1.9792, 2.3756,
6.5579

■ 64.4556, 70.7147,
107.3975

■ 0.6222, 0.8133,
3.1129

■ 85.3518, 93.2925,
137.7864

■ 0.0000, 0.0000,
1.1526

■ 110.3368,
120.2274, 173.4267

■ 0.0000, 0.0000,
0.0000

139.7761,

151.9036, 214.7370

174.0348,
188.7055, 262.1357

■ 14.4518, 16.2850,
29.9854

■ 14.4518, 16.2850,
29.9854

■ 12.7683, 14.4060,
29.7117

■ 16.4463, 18.3924,
30.2874

■ 11.3747, 12.7423,
29.4641

■ 18.7678, 20.7368,
30.6175

■ 10.2495, 11.2818,
29.2415

■ 21.4333, 23.3284,
30.9772

■ 9.3669, 10.0101,
29.0425

■ 24.4579, 26.1761,
31.3675

■ 8.6645, 8.8933,
28.8640

■ 27.8557, 29.2884,
31.7891

■ 8.6416, 8.8567,
28.8581

■ 31.6403, 32.6733,
32.2430

■ 35.8242, 36.3385,
32.7300

■ 40.4195, 40.2913,
33.2507

■ 45.4380, 44.5386,
33.8060

Harmonies

Analogous

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



12.9440, 16.2850, 26.0962



14.4518, 16.2850, 29.9854



16.3627, 16.2850, 30.1843

Triad

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



14.4518, 16.2850, 29.9854



19.3690, 16.2850, 15.3601



13.0627, 16.2850, 11.0959

Complementary

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



14.4518, 16.2850, 29.9854



18.2195, 16.5987, 8.7228

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.



14.6266, 16.2850, 9.2837



14.4518, 16.2850, 29.9854



18.3238, 16.2850, 11.3778

Square

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



14.4518, 16.2850, 29.9854



19.3124, 16.2850, 20.9125



16.5525, 16.2850, 9.3749



12.1887, 16.2850, 14.8908

Rectangle

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



14.4518, 16.2850, 29.9854



17.6182, 16.2850, 28.1331



16.5525, 16.2850, 9.3749



13.5192, 16.2850, 10.2736

Sweetspot

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



14.4523, 16.2856, 29.9858



40.6589, 43.9382, 55.7725



15.7165, 23.3070, 16.5557



9.0493, 9.8104, 12.7015



71.1368, 74.8414, 81.5023



11.3376, 11.9280, 12.9896

Same Dimension

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



14.4523, 16.2856, 29.9858



22.4391, 25.3042, 53.1361



11.0559, 9.4926, 28.8536



5.7663, 6.1665, 7.3561



7.5164, 7.7277, 25.0265



0.1211, 0.1528, 0.3160

Inverse Universe

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



17.6928, 12.3855, 18.2883



29.2089, 18.3633, 28.4276



22.6034, 25.3665, 10.1841



5.9355, 5.8693, 6.7663



11.9210, 5.9735, 8.3311



0.1606, 0.0790, 0.1793

Previews

White Background



This preview shows how the XYZ color 14.4518, 16.2850, 29.9854 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 14.4518, 16.2850, 29.9854 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

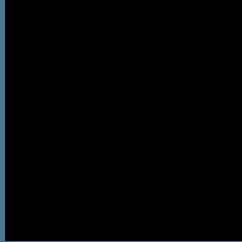
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 14.4518, 16.2850, 29.9854

Background



This preview shows how black text looks on a background with the XYZ color 14.4518, 16.2850, 29.9854.

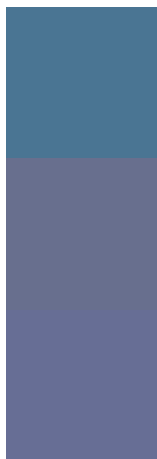


This preview shows how white text looks on a background with the XYZ color 14.4518, 16.2850,

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

14.4518, 16.2850, 29.9854

Protanopia

16.2758, 16.2649, 27.8728

Deuteranopia

16.5943, 16.2054, 30.6871



Tritanopia

13.1296, 16.2736, 23.5682

Trichromacy



Original Color

14.4518, 16.2850, 29.9854

Protanomaly

15.4534, 16.1510, 28.6885

Deuteranomaly

15.6641, 16.2237, 30.3229

Tritanomaly

13.5665, 16.2733, 25.7186

Monochromacy



Original Color

14.4518, 16.2850, 29.9854

Achromatopsia

14.2537, 14.9960, 16.3306

Achromatomaly

14.0212, 15.2608, 20.6190

CSS Examples

Text

The CSS property to change the color of the text to XYZ 14.4518, 16.2850, 29.9854 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, 117, 147)` looks like.

```
.text, #text, p{  
    color:rgb(74, 117, 147)  
}
```

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, 117, 147) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(74, 117, 147) }
```

Border

The CSS property to change the border of an element to XYZ 14.4518, 16.2850, 29.9854 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, 117, 147) }
```


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

```
.border{ border-color:rgb(74, 117, 147) }
```

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

Here you see how a box with a 4 pixel `rgb(74, 117, 147)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(74, 117, 147); -webkit-box-  
shadow:4px 4px 4px 4px rgb(74, 117, 147);  
box-shadow:4px 4px 4px 4px rgb(74, 117,  
147) }
```

Background

The CSS property to change the background color of an element to XYZ 14.4518, 16.2850, 29.9854 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(74, 117, 147) }
```

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

```
.background{ background-color: rgb(74, 117,  
147) }
```

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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