

Converting Colors

XYZ(15.2518, 16.6474, 29.8102)

Have a look what the booklet for
XYZ(15.2518, 16.6474, 29.8102)
contains.

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Color

**XYZ(15.2839, 16.7140,
30.0243)**

Conversions

Conversions Part 1

Format	Color
Hex	547593
RGB	84, 117, 147
RGB Percent	33%, 46%, 58%
CMY	0.6706, 0.5412, 0.4235
CMYK	0.43, 0.20, 0.00, 0.42
HSL	209°, 27%, 45%
HSV	209°, 43%, 58%
XYZ	15.2839, 16.7140, 30.0243
YIQ	110.5530, -29.2980, 2.3340

Conversions

Conversions Part 2

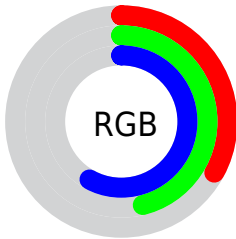
Format	Color
R_{YB}	84, 106, 147
Decimal	5535123
CIE _{Lab}	47.90, -3.53, -20.01
CIE _{LCh}	48, 20.317, 260.007
Yxy	16.7140, 0.2464, 0.2695
Android (android.graphics.Color)	4283725203 (0xFF547593)
YUV	110.5530, 17.9684, -23.2870
Hunter-Lab	40.8828, -4.8131, -14.9246

Details

The XYZ color **15.2839, 16.7140, 30.0243** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **19.6505, 18.8781, 10.9962**, and the grayscale version is **14.9364, 15.7143, 17.1128**.

A 20% lighter version of the original color is **34.8839, 37.8272, 60.7211**, and **4.8666, 5.4241, 11.8568** is the 20% darker color. If you saturate the color by 10%, you get **13.3185, 14.5353, 29.7077**, and if you desaturate by 10%, it is **17.5876, 19.1584, 30.3750**.

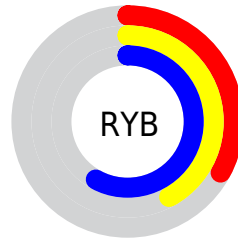
Distribution



Red (33%)

Green (46%)

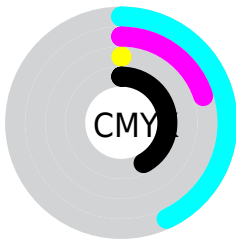
Blue (58%)



Red (33%)

Yellow (42%)

Blue (58%)

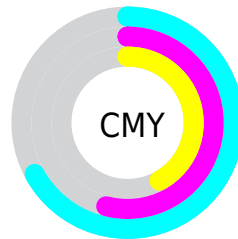


Cyan (43%)

Magenta (20%)

Yellow (0%)

Black (42%)



Cyan (67%)

Magenta (54%)

Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.2839, 16.7140, 30.0243 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 15.2839, 16.7140, 30.0243 by changing the saturation by 10% instead.

■ 15.2839, 16.7140,
30.0243

■ 15.2839, 16.7140,
30.0243

218.4327,
233.5188, 316.2285

■ 9.1065, 10.0308,
19.6048

■ 34.9180, 37.8334,
60.7621

■ 4.8684, 5.4194,
11.9269

■ 49.1055, 53.0383,
81.9174

■ 2.2042, 2.4954,
6.5720

■ 66.6936, 71.8527,
107.4885

■ 0.7450, 0.8743,
3.1215

■ 88.0479, 94.6608,
137.8939

■ 0.0000, 0.0000,
1.1570

■ 113.5335,
121.8471, 173.5520

■ 0.0000, 0.0000,
0.0000

143.5160,

153.7959, 214.8814

178.3606,
190.8917, 262.3008

■ 15.2839, 16.7140,
30.0243

■ 15.2839, 16.7140,
30.0243

■ 13.3185, 14.5353,
29.7077

■ 17.5876, 19.1584,
30.3750

■ 11.6709, 12.6086,
29.4226

■ 20.2451, 21.8772,
30.7597

■ 10.3209, 10.9220,
29.1682

■ 23.2728, 24.8813,
31.1800

■ 9.2450, 9.4611,
28.9429

■ 26.6858, 28.1800,
31.6368

■ 8.4155, 8.2094,
28.7451

■ 30.4980, 31.7824,
32.1312

■ 7.9205, 7.4146,
28.6177

■ 34.7228, 35.6970,
32.6642

■ 39.3728, 39.9321,
33.2365

■ 44.4602, 44.4955,
33.8492

■ 49.9966, 49.3948,
34.5031

Harmonies

Analogous

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



13.7321, 16.7140, 27.0536



15.2839, 16.7140, 30.0243



17.1196, 16.7140, 29.3936

Triad

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



15.2839, 16.7140, 30.0243



19.4239, 16.7140, 14.9667



13.3421, 16.7140, 12.4645

Complementary

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



15.2839, 16.7140, 30.0243



19.6505, 18.8781, 10.9962

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.



14.7134, 16.7140, 10.2827



15.2839, 16.7140, 30.0243



18.2544, 16.7140, 11.5235

Square

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



15.2839, 16.7140, 30.0243



19.6060, 16.7140, 20.0023



16.5040, 16.7140, 9.9749



12.6693, 16.7140, 16.5069

Rectangle

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



15.2839, 16.7140, 30.0243



18.2552, 16.7140, 27.0514



16.5040, 16.7140, 9.9749



13.7315, 16.7140, 11.5248

Sweetspot

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



15.2844, 16.7146, 30.0247



41.4414, 44.3267, 55.8063



17.0935, 23.9539, 19.4643



9.1960, 9.8592, 12.7032



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.



15.2844, 16.7146, 30.0247



24.1137, 26.3282, 53.2455



12.2589, 10.6635, 29.0162



5.7358, 6.1055, 7.3459



6.8915, 6.4778, 24.8182



0.1139, 0.1383, 0.3136

Inverse Universe

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



18.4143, 13.8286, 18.5289



30.6217, 21.1015, 29.1682



23.7433, 27.0637, 12.3605



5.9201, 5.8631, 6.6852



11.6056, 5.8473, 6.6701



0.1570, 0.0775, 0.1601

Previews

White Background



This preview shows how the XYZ color 15.2839, 16.7140, 30.0243 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 15.2839, 16.7140, 30.0243 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

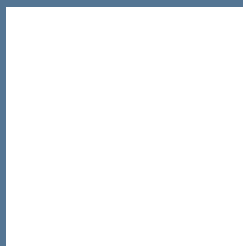
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 15.2839, 16.7140, 30.0243

Background



This preview shows how black text looks on a background with the XYZ color 15.2839, 16.7140, 30.0243.

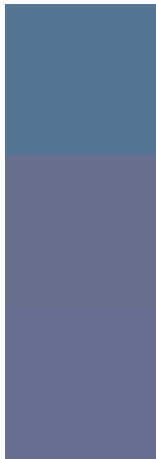


This preview shows how white text looks on a background with the XYZ color 15.2839, 16.7140,

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

15.2839, 16.7140, 30.0243

Protanopia

16.5778, 16.5748, 28.3121

Deuteranopia

16.8554, 16.5103, 30.3154



Tritanopia

13.9702, 16.7069, 23.6075

Trichromacy



Original Color

15.2839, 16.7140, 30.0243

Protanomaly

15.9811, 16.5896, 28.7454

Deuteranomaly

16.1802, 16.4898, 30.3470

Tritanomaly

14.4341, 16.7206, 25.7592

Monochromacy



Original Color

15.2839, 16.7140, 30.0243

Achromatopsia

15.1092, 15.8961, 17.3108

Achromatomaly

14.9100, 16.0322, 21.3775

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.2839, 16.7140, 30.0243 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(84, 117, 147)` looks like.

```
.text, #text, p{  
    color:rgb(84, 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(84, 117, 147) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(84, 117, 147) }
```

Border

The CSS property to change the border of an element to XYZ 15.2839, 16.7140, 30.0243 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(84, 117, 147) }
```


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

```
.border{ border-color:rgb(84, 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(84, 117, 147) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(84, 117, 147); -webkit-box-  
shadow:4px 4px 4px 4px rgb(84, 117, 147);  
box-shadow:4px 4px 4px 4px rgb(84, 117,  
147) }
```

Background

The CSS property to change the background color of an element to XYZ 15.2839, 16.7140, 30.0243 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(84, 117, 147) }
```

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

```
.background{ background-color: rgb(84, 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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