

Converting Colors

XYZ(16.0783, 18.0206, 29.8250)

Have a look what the booklet for
XYZ(16.0783, 18.0206, 29.8250)
contains.

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Color

**XYZ(16.0783, 18.0206,
29.8250)**

Conversions

Conversions Part 1

Format	Color
Hex	577A92
RGB	87, 122, 146
RGB Percent	34%, 48%, 57%
CMY	0.6588, 0.5216, 0.4274
CMYK	0.40, 0.16, 0.00, 0.43
HSL	204°, 25%, 46%
HSV	204°, 40%, 57%
XYZ	16.0783, 18.0206, 29.8250
YIQ	114.2710, -28.5640, 0.0440

Conversions

Conversions Part 2

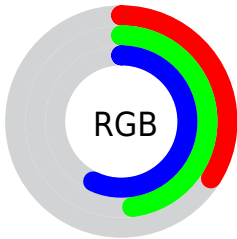
Format	Color
R _Y B	87, 109, 146
Decimal	5733010
CIE Lab	49.52, -5.89, -16.92
CIE LCh	50, 17.917, 250.803
Yxy	18.0206, 0.2515, 0.2819
Android (android.graphics.Color)	4283923090 (0xFF577A92)
YUV	114.2710, 15.6424, -23.9167
Hunter-Lab	42.4507, -6.6814, -11.9405

Details

The XYZ color **16.0783, 18.0206, 29.8250** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **19.2592, 18.1683, 11.5091**, and the grayscale version is **16.0366, 16.8718, 18.3734**.

A 20% lighter version of the original color is **36.2088, 39.9312, 60.4427**, and **5.1757, 5.9664, 11.7053** is the 20% darker color. If you saturate the color by 10%, you get **14.1436, 15.9740, 29.5322**, and if you desaturate by 10%, it is **18.3344, 20.2999, 30.1464**.

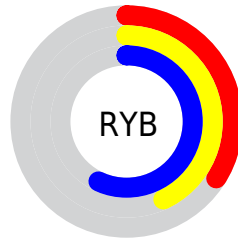
Distribution



Red (34%)

Green (48%)

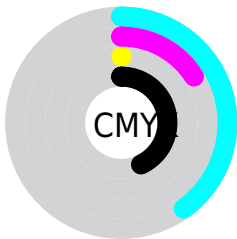
Blue (57%)



Red (34%)

Yellow (43%)

Blue (57%)

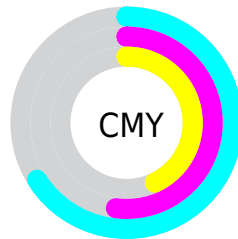


Cyan (40%)

Magenta (16%)

Yellow (0%)

Black (43%)



Cyan (66%)

Magenta (52%)

Yellow (43%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.0783, 18.0206, 29.8250 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 16.0783, 18.0206, 29.8250 by changing the saturation by 10% instead.

■ 16.0783, 18.0206,
29.8250

■ 16.0783, 18.0206,
29.8250

223.0646,
240.9871, 315.2698

■ 9.6708, 10.9648,
19.4549

■ 36.2904, 40.0724,
60.4430

■ 5.2418, 6.0432,
11.8193

■ 50.8258, 55.8372,
81.5280

■ 2.4260, 2.8713,
6.4997

■ 68.8010, 75.2738,
107.0218

■ 0.8581, 1.0649,
3.0776

■ 90.5817, 98.7665,
137.3427

■ 0.0000, 0.0000,
1.1344

■ 116.5330,
126.6998, 172.9094

■ 0.0000, 0.0000,
0.0000

147.0204,

159.4581, 214.1405

182.4091,
197.4257, 261.4544

■ 16.0783, 18.0206,
29.8250

■ 16.0783, 18.0206,
29.8250

■ 14.1436, 15.9740,
29.5322

■ 18.3344, 20.2999,
30.1464

■ 12.5112, 14.1477,
29.2658

■ 20.9263, 22.8192,
30.4960

■ 11.1621, 12.5314,
29.0249

■ 23.8695, 25.5881,
30.8754

■ 10.0747, 11.1124,
28.8083

■ 27.1781, 28.6148,
31.2852

■ 9.2234, 9.8765,
28.6146

■ 30.8652, 31.9073,
31.7264

■ 8.5652, 8.8291,
28.4472

■ 34.9433, 35.4729,
32.1997

■ 39.4244, 39.3189,
32.7058

■ 44.3198, 43.4521,
33.2456

■ 49.6406, 47.8791,
33.8197

Harmonies

Analogous

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



14.7770, 18.0206, 26.3763



16.0783, 18.0206, 29.8250



17.7463, 18.0206, 30.2951

Triad

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



16.0783, 18.0206, 29.8250



20.5339, 18.0206, 17.9230



15.0849, 18.0206, 13.3687

Complementary

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



16.0783, 18.0206, 29.8250



19.2592, 18.1683, 11.5091

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.



16.5243, 18.0206, 11.8052



16.0783, 18.0206, 29.8250



19.7161, 18.0206, 14.1310

Square

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



16.0783, 18.0206, 29.8250



20.3948, 18.0206, 22.8542



18.2225, 18.0206, 12.0591



14.2302, 18.0206, 16.7087

Rectangle

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



16.0783, 18.0206, 29.8250



18.8522, 18.0206, 28.7827



18.2225, 18.0206, 12.0591



15.5123, 18.0206, 12.6450

Sweetspot

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



16.0789, 18.0213, 29.8254



41.1087, 44.2108, 54.3404



17.0571, 23.7233, 18.6043



9.0120, 9.7109, 12.0716



69.3244, 72.9347, 79.4259



10.7221, 11.2805, 12.2844

Same Dimension

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



16.0789, 18.0213, 29.8254



25.4081, 28.6746, 52.1692



13.0249, 11.9133, 28.8074



5.7682, 6.1705, 7.3567



7.5596, 7.8139, 25.0408



0.1216, 0.1537, 0.3162

Inverse Universe

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



18.7756, 14.3331, 20.1900



30.9470, 21.8014, 32.2212



22.9674, 25.5849, 12.7452



5.9365, 5.8696, 6.7715



11.9428, 5.9822, 8.4458



0.1608, 0.0791, 0.1805

Previews

White Background



This preview shows how the XYZ color 16.0783, 18.0206, 29.8250 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 16.0783, 18.0206, 29.8250 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

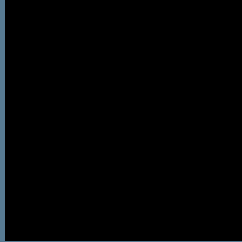
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 16.0783, 18.0206, 29.8250

Background



This preview shows how black text looks on a background with the XYZ color 16.0783, 18.0206, 29.8250.



This preview shows how white text looks on a background with the XYZ color 16.0783, 18.0206,

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

16.0783, 18.0206, 29.8250

Protanopia

17.8100, 17.8885, 28.1053

Deuteranopia

18.2072, 17.8788, 30.0951



Tritanopia

15.1669, 18.0214, 25.2333

Trichromacy



Original Color

16.0783, 18.0206, 29.8250

Protanomaly

17.0299, 17.8236, 28.5293

Deuteranomaly

17.4538, 18.0065, 30.1595

Tritanomaly

15.4167, 17.9322, 26.6935

Monochromacy



Original Color

16.0783, 18.0206, 29.8250

Achromatopsia

15.9940, 16.8269, 18.3245

Achromatomaly

15.8361, 17.1720, 22.2185

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.0783, 18.0206, 29.8250 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(87, 122, 146)` looks like.

```
.text, #text, p{  
    color:rgb(87, 122, 146)  
}
```

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(87, 122, 146) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 122, 146) }
```

Border

The CSS property to change the border of an element to XYZ 16.0783, 18.0206, 29.8250 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(87, 122, 146) }
```


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

```
.border{ border-color:rgb(87, 122, 146) }
```

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

Here you see how a box with a 4 pixel rgb(87, 122, 146) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 122, 146); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 122, 146);  
box-shadow:4px 4px 4px 4px rgb(87, 122,  
146) }
```

Background

The CSS property to change the background color of an element to XYZ 16.0783, 18.0206, 29.8250 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 122, 146) }
```

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

```
.background{ background-color: rgb(87, 122,  
146) }
```

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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