

Converting Colors

XYZ(18.2430, 16.8425, 31.7790)

Have a look what the booklet for
XYZ(18.2430, 16.8425, 31.7790)
contains.

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Color

**XYZ(18.2570, 16.8846,
31.5750)**

Conversions

Conversions Part 1

Format	Color
Hex	746D97
RGB	116, 109, 151
RGB Percent	45%, 43%, 59%
CMY	0.5451, 0.5725, 0.4078
CMYK	0.23, 0.28, 0.00, 0.41
HSL	250°, 17%, 51%
HSV	250°, 28%, 59%
XYZ	18.2570, 16.8846, 31.5750
YIQ	115.8810, -9.3100, 14.5460

Conversions

Conversions Part 2

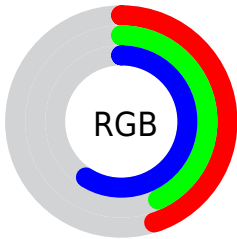
Format	Color
R_{YB}	116, 109, 151
Decimal	7630231
CIE _{Lab}	48.11, 12.14, -21.84
CIE _{LCh}	48, 24.985, 299.064
Yxy	16.8846, 0.2737, 0.2531
Android (android.graphics.Color)	4285820311 (0xFF746D97)
YUV	115.8810, 17.3137, 0.1044
Hunter-Lab	41.0909, 7.3999, -16.7959

Details

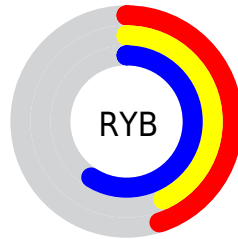
The XYZ color **18.2570, 16.8846, 31.5750** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **25.3290, 29.1670, 18.7635**, and the grayscale version is **16.5152, 17.3752, 18.9216**.

A 20% lighter version of the original color is **39.9524, 37.9844, 62.9836**, and **6.3376, 5.5586, 12.7955** is the 20% darker color. If you saturate the color by 10%, you get **15.2216, 13.1308, 31.0107**, and if you desaturate by 10%, it is **21.7968, 21.3101, 32.2429**.

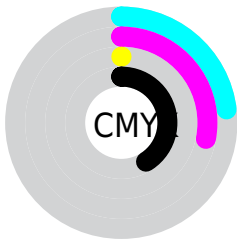
Distribution



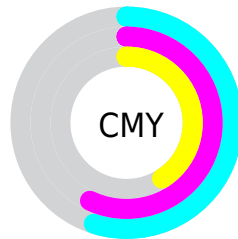
- Red (45%)
- Green (43%)
- Blue (59%)



- Red (45%)
- Yellow (43%)
- Blue (59%)



- Cyan (23%)
- Magenta (28%)
- Yellow (0%)
- Black (41%)



- Cyan (55%)
- Magenta (57%)
- Yellow (41%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.2570, 16.8846, 31.5750 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 18.2570, 16.8846, 31.5750 by changing the saturation by 10% instead.

■ 18.2570, 16.8846,
31.5750

■ 18.2570, 16.8846,
31.5750

235.3333,
234.5065, 323.6115

■ 11.2355, 10.1522,
20.7750

■ 40.0014, 38.1273,
63.2344

■ 6.2939, 5.5000,
12.7700

■ 55.4550, 53.4064,
84.9308

■ 3.0670, 2.5435,
7.1415

■ 74.4500, 72.3031,
111.0964

■ 1.1893, 0.8984,
3.4709

■ 97.3517, 95.2020,
142.1498

■ 0.0979, 0.0000,
1.3398

124.5256,
122.4874, 178.5094

■ 0.0000, 0.0000,
0.0941

156.3369,

■ 0.0000, 0.0000,

154.5437, 220.5939

0.0000

193.1510,
191.7553, 268.8218

■ 18.2570, 16.8846,
31.5750

■ 18.2570, 16.8846,
31.5750

■ 15.2216, 13.1308,
31.0107

■ 21.7968, 21.3101,
32.2429

■ 12.6658, 10.0136,
30.5437

■ 25.8612, 26.4358,
33.0181

■ 10.5651, 7.4980,
30.1689

■ 30.4709, 32.2913,
33.9053

■ 8.8922, 5.5446,
29.8800

■ 35.6453, 38.9037,
34.9089

■ 7.6165, 4.1093,
29.6702

■ 41.4028, 46.2986,
36.0328

■ 6.7035, 3.1414,
29.5315

■ 47.7608, 54.5008,
37.2809

■ 6.0985, 2.5518,
29.4496

■ 54.7362, 63.5336,
38.6568

■ 5.9910, 2.4432,
29.4343

■ 62.3451, 73.4195,
40.1639

■ 70.6029, 84.1801,
41.8057

Harmonies

Analogous

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



15.9773, 16.8846, 33.8776



18.2570, 16.8846, 31.5750



20.0788, 16.8846, 25.5664

Triad

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



18.2570, 16.8846, 31.5750



18.3916, 16.8846, 9.6310



12.0777, 16.8846, 18.1815

Complementary

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



18.2570, 16.8846, 31.5750



25.3290, 29.1670, 18.7635

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.



12.5969, 16.8846, 12.6918



18.2570, 16.8846, 31.5750



16.1195, 16.8846, 8.5249

Square

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



18.2570, 16.8846, 31.5750



20.1615, 16.8846, 12.9693



14.0253, 16.8846, 9.4992



12.5364, 16.8846, 25.1294

Rectangle

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



18.2570, 16.8846, 31.5750



20.7125, 16.8846, 20.8523



14.0253, 16.8846, 9.4992



12.1428, 16.8846, 16.1194

Sweetspot

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



18.2576, 16.8853, 31.5754



46.0452, 47.0030, 59.0793



21.9727, 25.6453, 33.0704



10.2187, 10.3710, 13.3807



72.9764, 76.7769, 83.6100



11.9732, 12.5967, 13.7178

Same Dimension

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



18.2576, 16.8853, 31.5754



29.4108, 26.1655, 55.9340



21.2572, 18.4317, 31.7158



5.9757, 6.0733, 7.7863



5.1141, 2.0874, 25.0411



0.0976, 0.0421, 0.3754

Inverse Universe

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



23.2656, 19.5308, 28.9296



39.8623, 31.6908, 50.2205



22.0963, 27.5005, 18.6122



6.4170, 6.3060, 7.5760



14.0610, 6.8786, 17.3779



0.2206, 0.1070, 0.3144

Previews

White Background



This preview shows how the XYZ color 18.2570, 16.8846, 31.5750 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 18.2570, 16.8846, 31.5750 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 18.2570, 16.8846, 31.5750

Background



This preview shows how black text looks on a background with the XYZ color 18.2570, 16.8846, 31.5750.



This preview shows how white text looks on a background with the XYZ color 18.2570, 16.8846,

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

18.2570, 16.8846, 31.5750

Protanopia

17.2174, 16.9681, 32.9396

Deuteranopia

17.2430, 16.8545, 31.1986



Tritanopia

16.1480, 16.8442, 21.1391

Trichromacy



Original Color

18.2570, 16.8846, 31.5750

Protanomaly

17.6073, 17.0140, 32.4930

Deuteranomaly

17.6199, 16.8859, 31.1848

Tritanomaly

16.8379, 16.7925, 24.5441

Monochromacy



Original Color

18.2570, 16.8846, 31.5750

Achromatopsia

16.6002, 17.4647, 19.0191

Achromatomaly

17.0700, 17.1082, 23.1714

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.2570, 16.8846, 31.5750 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(116, 109, 151)` looks like.

```
.text, #text, p{  
    color:rgb(116, 109, 151)  
}
```

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(116, 109, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 109, 151) }
```

Border

The CSS property to change the border of an element to XYZ 18.2570, 16.8846, 31.5750 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(116, 109, 151) }
```


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

```
.border{ border-color:rgb(116, 109, 151) }
```

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

Here you see how a box with a 4 pixel `rgb(116, 109, 151)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 109, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 109, 151);  
box-shadow:4px 4px 4px 4px rgb(116, 109,  
151) }
```

Background

The CSS property to change the background color of an element to XYZ 18.2570, 16.8846, 31.5750 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 109, 151) }
```

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

```
.background{ background-color: rgb(116,  
109, 151) }
```

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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