

Converting Colors

XYZ(15.0293, 18.1730, 3.9665)

Have a look what the booklet for
XYZ(15.0293, 18.1730, 3.9665)
contains.

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Color

**XYZ(15.0630, 18.2527,
3.9575)**

Conversions

Conversions Part 1

Format	Color
Hex	787B1E
RGB	120, 123, 30
RGB Percent	47%, 48%, 12%
CMY	0.5294, 0.5176, 0.8823
CMYK	0.02, 0.00, 0.76, 0.52
HSL	62°, 61%, 30%
HSV	62°, 76%, 48%
XYZ	15.0630, 18.2527, 3.9575
YIQ	111.5010, 28.0650, -29.5590

Conversions

Conversions Part 2

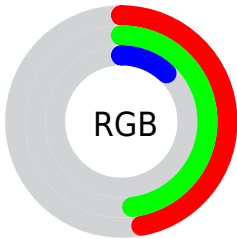
Format	Color
RYB	30, 123, 33
Decimal	7895838
CIELab	49.80, -13.05, 47.20
CIELCh	50, 48.971, 105.451
Yxy	18.2527, 0.4041, 0.4897
Android (android.graphics.Color)	4286085918 (0xFF787B1E)
YUV	111.5010, -40.1800, 7.4536
Hunter-Lab	42.7232, -11.8314, 24.4141

Details

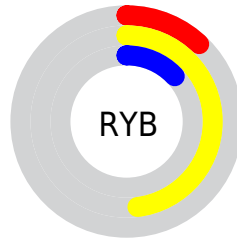
The XYZ color **15.0630, 18.2527, 3.9575** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **4.6672, 2.6823, 19.0118**, and the grayscale version is **15.3634, 16.1635, 17.6021**.

A 20% lighter version of the original color is **34.5322, 40.3831, 13.9573**, and **4.8327, 6.1265, 0.9278** is the 20% darker color. If you saturate the color by 10%, you get **14.8808, 18.1741, 3.2833**, and if you desaturate by 10%, it is **15.3076, 18.3576, 4.9557**.

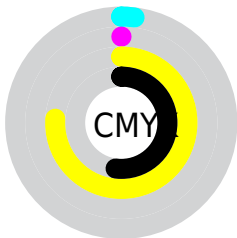
Distribution



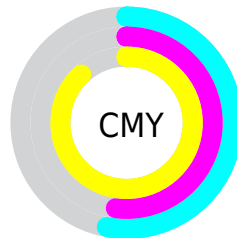
- Red (47%)
- Green (48%)
- Blue (12%)



- Red (12%)
- Yellow (48%)
- Blue (13%)



- Cyan (2%)
- Magenta (0%)
- Yellow (76%)
- Black (52%)



- Cyan (53%)
- Magenta (52%)
- Yellow (88%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.0630, 18.2527, 3.9575 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 15.0630, 18.2527, 3.9575 by changing the saturation by 10% instead.

■ 15.0630, 18.2527,
3.9575

■ 15.0630, 18.2527,
3.9575

217.1280,
242.2916, 147.7518

■ 8.9502, 11.1316,
1.6021

■ 34.5344, 40.4675,
13.9116

■ 4.7656, 6.1554,
0.2923

■ 48.6237, 56.3299,
22.3474

■ 2.1437, 2.9398,
0.0000

■ 66.1027, 75.8748,
33.6470

■ 0.7128, 1.1004,
0.0000

■ 87.3365, 99.4867,
48.2290

■ 0.0000, 0.0000,
0.0000

■ 112.6906,
127.5499, 66.5120

■ 142.5303,

160.4489, 88.9144

177.2210,
198.5680, 115.8548

15.0630, 18.2527,
3.9575

15.0630, 18.2527,
3.9575

14.8808, 18.1741,
3.2833

15.3076, 18.3576,
4.9557

14.7489, 18.1150,
2.8743

15.6198, 18.4889,
6.3103

14.6953, 18.0908,
2.7174

16.0056, 18.6496,
8.0513

16.4700, 18.8419,
10.2050

17.0176, 19.0674,
12.7956

■ 17.6526, 19.3279,
15.8452

■ 18.3789, 19.6250,
19.3746

■ 19.2003, 19.9601,
23.4032

■ 20.1202, 20.3346,
27.9494

Harmonies

Analogous

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



19.7053, 18.2527, 3.9218



15.0630, 18.2527, 3.9575



11.7003, 18.2527, 6.7351

Triad

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



15.0630, 18.2527, 3.9575



11.7774, 18.2527, 44.4352



27.5813, 18.2527, 27.0654

Complementary

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



15.0630, 18.2527, 3.9575



4.6672, 2.6823, 19.0118

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.



24.5730, 18.2527, 43.9469



15.0630, 18.2527, 3.9575



15.1878, 18.2527, 56.6419

Square

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



15.0630, 18.2527, 3.9575



10.0487, 18.2527, 27.5493



19.8545, 18.2527, 56.4313



27.5314, 18.2527, 13.7759

Rectangle

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



15.0630, 18.2527, 3.9575



10.3913, 18.2527, 10.9846



19.8545, 18.2527, 56.4313



26.8735, 18.2527, 32.5987

Sweetspot

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



15.0634, 18.2535, 3.9579



30.6917, 34.2329, 23.9596



8.9078, 5.3141, 1.7847



7.1517, 8.0309, 5.2772



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.



15.0634, 18.2535, 3.9579



26.4626, 32.4613, 5.3029



10.2158, 15.7545, 3.7310



4.2956, 4.6277, 4.2913



15.2004, 18.7133, 2.8109



72.3628, 89.1898, 13.4014

Inverse Universe

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



4.6672, 2.6823, 19.0118



6.8376, 3.0277, 33.7806



7.1860, 3.9808, 19.1296



3.8085, 3.8992, 4.9951



3.7490, 1.5054, 19.4783



17.7442, 7.1095, 92.9068

Previews

White Background



This preview shows how the XYZ color 15.0630, 18.2527, 3.9575 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 15.0630, 18.2527, 3.9575 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 15.0630, 18.2527, 3.9575

Background



This preview shows how black text looks on a background with the XYZ color 15.0630, 18.2527, 3.9575.



This preview shows how white text looks on a background with the XYZ color 15.0630, 18.2527,

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

15.0630, 18.2527, 3.9575

Protanopia

16.4915, 18.2689, 3.8195

Deuteranopia

18.4920, 18.0993, 4.1090



Tritanopia

18.6709, 18.3059, 21.6181

Trichromacy



Original Color

15.0630, 18.2527, 3.9575

Protanomaly

15.8403, 18.1108, 3.8233

Deuteranomaly

17.0011, 18.0039, 4.0179

Tritanomaly

16.7813, 18.0550, 12.2734

Monochromacy



Original Color

15.0630, 18.2527, 3.9575

Achromatopsia

15.4009, 16.2029, 17.6450

Achromatomaly

14.8386, 16.7448, 10.4326

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.0630, 18.2527, 3.9575 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(120, 123, 30)` looks like.

```
.text, #text, p{  
    color:rgb(120, 123, 30)  
}
```

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(120, 123, 30) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 123, 30) }
```

Border

The CSS property to change the border of an element to XYZ 15.0630, 18.2527, 3.9575 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(120, 123, 30) }
```


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

```
.border{ border-color:rgb(120, 123, 30) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 123, 30)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 123, 30); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 123, 30);  
box-shadow:4px 4px 4px 4px rgb(120, 123,  
30) }
```

Background

The CSS property to change the background color of an element to XYZ 15.0630, 18.2527, 3.9575 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 123, 30) }
```

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

```
.background{ background-color: rgb(120,  
123, 30) }
```

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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