

Converting Colors

XYZ(18.7568, 18.4187, 25.4601)

Have a look what the booklet for
XYZ(18.7568, 18.4187, 25.4601)
contains.

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Color

**XYZ(18.7869, 18.4510,
25.4929)**

Conversions

Conversions Part 1

Format	Color
Hex	7B7487
RGB	123, 116, 135
RGB Percent	48%, 45%, 53%
CMY	0.5176, 0.5451, 0.4706
CMYK	0.09, 0.14, 0.00, 0.47
HSL	262°, 8%, 49%
HSV	262°, 14%, 53%
XYZ	18.7869, 18.4510, 25.4929
YIQ	120.2590, -1.9270, 7.3930

Conversions

Conversions Part 2

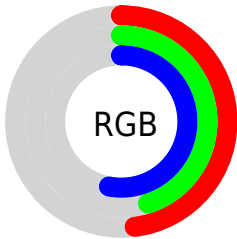
Format	Color
R_{YB}	123, 116, 135
Decimal	8090759
CIE Lab	50.04, 6.61, -9.41
CIE LCh	50, 11.496, 305.080
Yxy	18.4510, 0.2995, 0.2941
Android (android.graphics.Color)	4286280839 (0xFF7B7487)
YUV	120.2590, 7.2673, 2.4039
Hunter-Lab	42.9546, 2.8993, -5.1194

Details

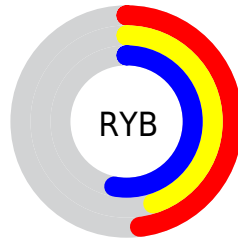
The XYZ color **18.7869, 18.4510, 25.4929** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **20.7192, 23.1786, 19.9058**, and the grayscale version is **17.9138, 18.8467, 20.5241**.

A 20% lighter version of the original color is **40.9842, 40.8662, 53.3048**, and **6.5309, 6.2460, 9.4557** is the 20% darker color. If you saturate the color by 10%, you get **16.1753, 14.9604, 24.9571**, and if you desaturate by 10%, it is **21.7320, 22.4503, 26.1099**.

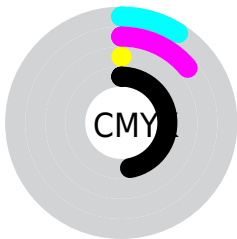
Distribution



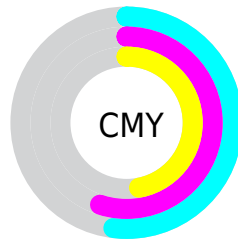
- Red (48%)
- Green (45%)
- Blue (53%)



- Red (48%)
- Yellow (45%)
- Blue (53%)



- Cyan (9%)
- Magenta (14%)
- Yellow (0%)
- Black (47%)



- Cyan (52%)
- Magenta (55%)
- Yellow (47%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.7869, 18.4510, 25.4929 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 18.7869, 18.4510, 25.4929 by changing the saturation by 10% instead.

■ 18.7869, 18.4510,
25.4929

■ 18.7869, 18.4510,
25.4929

238.2305,
243.4010, 293.8097

■ 11.6195, 11.2743,
16.2223

■ 40.8934, 40.8043,
53.4297

■ 6.5555, 6.2516,
9.5255

■ 56.5631, 56.7497,
72.9330

■ 3.2295, 2.9987,
4.9841

■ 75.7977, 76.3868,
96.6844

■ 1.2763, 1.1310,
2.1793

■ 98.9625, 100.0999,
125.1022

■ 0.1654, 0.0043,
0.6624

126.4228,
128.2735, 158.6051

■ 0.0000, 0.0000,
0.0000

158.5440,

161.2919, 197.6116

195.6915,
199.5396, 242.5403

■ 18.7869, 18.4510,
25.4929

■ 18.7869, 18.4510,
25.4929

■ 16.1753, 14.9604,
24.9571

■ 21.7320, 22.4503,
26.1099

■ 13.8833, 11.9554,
24.4979

■ 25.0207, 26.9754,
26.8100

■ 11.8980, 9.4144,
24.1120

■ 28.6648, 32.0459,
27.5966

■ 10.2054, 7.3133,
23.7957

■ 32.6747, 37.6792,
28.4726

■ 8.7899, 5.6259,
23.5446

■ 37.0608, 43.8922,
29.4407

■ 7.6346, 4.3229,
23.3540

■ 41.8327, 50.7010,
30.5034

■ 6.7204, 3.3712,
23.2185

■ 46.9997, 58.1212,
31.6633

■ 6.0237, 2.7291,
23.1312

■ 52.5711, 66.1675,
32.9228

■ 5.6752, 2.4205,
23.0900

■ 58.5555, 74.8544,
34.2841

Harmonies

Analogous

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



17.7259, 18.4510, 26.7817



18.7869, 18.4510, 25.4929



19.5356, 18.4510, 22.7648

Triad

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



18.7869, 18.4510, 25.4929



18.4478, 18.4510, 15.0610



15.5046, 18.4510, 20.6337

Complementary

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



18.7869, 18.4510, 25.4929



20.7192, 23.1786, 19.9058

Split Complementary

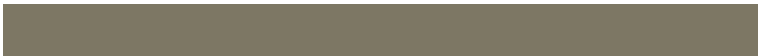
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



15.6798, 18.4510, 17.6334



18.7869, 18.4510, 25.4929



17.3496, 18.4510, 14.6176

Square

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



18.7869, 18.4510, 25.4929



19.3341, 18.4510, 16.7916



16.3440, 18.4510, 15.5101



15.8551, 18.4510, 23.7943

Rectangle

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



18.7869, 18.4510, 25.4929



19.7405, 18.4510, 20.6164



16.3440, 18.4510, 15.5101



15.5041, 18.4510, 19.5726

Sweetspot

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



18.7875, 18.4518, 25.4933



38.9078, 40.1905, 46.7552



19.2998, 20.9100, 25.9408



8.9231, 9.1880, 10.8095



65.7814, 69.2071, 75.3665



9.5508, 10.0482, 10.9424

Same Dimension

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



18.7875, 18.4518, 25.4933



32.0319, 30.8760, 45.3198



20.2080, 19.1841, 25.5598



4.5845, 4.6219, 5.8512



5.2470, 2.2391, 21.2923



0.0257, 0.0116, 0.0741

Inverse Universe

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



20.1340, 19.2010, 23.0681



34.9634, 32.5081, 39.9969



19.3609, 22.4784, 19.8423



4.7870, 4.7345, 5.4909



10.7422, 5.3612, 8.4806



0.0407, 0.0200, 0.0480

Previews

White Background



This preview shows how the XYZ color 18.7869, 18.4510, 25.4929 looks on a white 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

Black Background



This preview shows how the XYZ color 18.7869, 18.4510, 25.4929 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 18.7869, 18.4510, 25.4929

Background



This preview shows how black text looks on a background with the XYZ color 18.7869, 18.4510, 25.4929.



This preview shows how white text looks on a background with the XYZ color 18.7869, 18.4510,

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

18.7869, 18.4510, 25.4929

Protanopia

18.1248, 18.4474, 25.8980

Deuteranopia

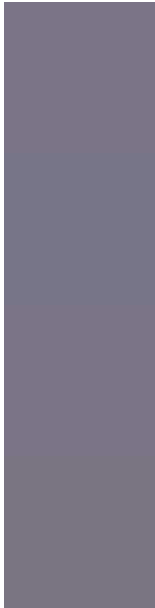
18.7869, 18.4510, 25.4929



Tritanopia

18.2181, 18.3925, 22.6686

Trichromacy



Original Color

18.7869, 18.4510, 25.4929

Protanomaly

18.4130, 18.4221, 25.8779

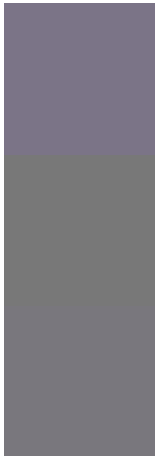
Deuteranomaly

18.7869, 18.4510, 25.4929

Tritanomaly

18.4166, 18.4719, 23.7139

Monochromacy



Original Color

18.7869, 18.4510, 25.4929

Achromatopsia

17.8524, 18.7821, 20.4537

Achromatomaly

18.1837, 18.7393, 22.0607

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.7869, 18.4510, 25.4929 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(123, 116, 135)` looks like.

```
.text, #text, p{  
    color:rgb(123, 116, 135)  
}
```

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(123, 116, 135) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 116, 135) }
```

Border

The CSS property to change the border of an element to XYZ 18.7869, 18.4510, 25.4929 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(123, 116, 135) }
```


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

```
.border{ border-color:rgb(123, 116, 135) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 116, 135)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 116, 135); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 116, 135);  
box-shadow:4px 4px 4px 4px rgb(123, 116,  
135) }
```

Background

The CSS property to change the background color of an element to XYZ 18.7869, 18.4510, 25.4929 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 116, 135) }
```

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

```
.background{ background-color: rgb(123,  
116, 135) }
```

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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