

Converting Colors

XYZ(18.7939, 16.2158, 31.0869)

Have a look what the booklet for
XYZ(18.7939, 16.2158, 31.0869)
contains.

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Color

**XYZ(18.8127, 16.2625,
31.0016)**

Conversions

Conversions Part 1

Format	Color
Hex	7D6796
RGB	125, 103, 150
RGB Percent	49%, 40%, 59%
CMY	0.5098, 0.5961, 0.4118
CMYK	0.17, 0.31, 0.00, 0.41
HSL	268°, 19%, 50%
HSV	268°, 31%, 59%
XYZ	18.8127, 16.2625, 31.0016
YIQ	114.9360, -1.9750, 19.2810

Conversions

Conversions Part 2

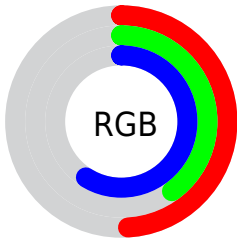
Format	Color
R_{YB}	125, 103, 150
Decimal	8218518
CIE _{Lab}	47.32, 18.47, -22.41
CIE _{LCh}	47, 29.039, 309.501
Yxy	16.2625, 0.2847, 0.2461
Android (android.graphics.Color)	4286408598 (0xFF7D6796)
YUV	114.9360, 17.2866, 8.8261
Hunter-Lab	40.3268, 12.6995, -17.3510

Details

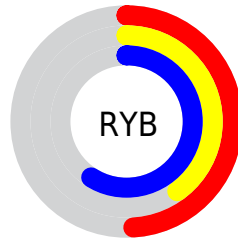
The XYZ color **18.8127, 16.2625, 31.0016** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **22.2572, 27.3816, 16.9448**, and the grayscale version is **16.2265, 17.0715, 18.5909**.

A 20% lighter version of the original color is **40.8148, 36.9358, 62.1049**, and **6.5680, 5.2251, 12.4667** is the 20% darker color. If you saturate the color by 10%, you get **16.3341, 12.9654, 30.4961**, and if you desaturate by 10%, it is **21.6536, 20.1445, 31.6014**.

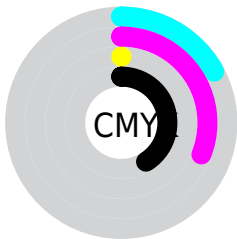
Distribution



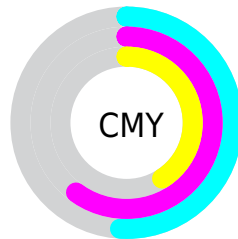
- Red (49%)
- Green (40%)
- Blue (59%)



- Red (49%)
- Yellow (40%)
- Blue (59%)



- Cyan (17%)
- Magenta (31%)
- Yellow (0%)
- Black (41%)



- Cyan (51%)
- Magenta (60%)
- Yellow (41%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.8127, 16.2625, 31.0016 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 18.8127, 16.2625, 31.0016 by changing the saturation by 10% instead.

■ 18.8127, 16.2625,
31.0016

■ 18.8127, 16.2625,
31.0016

238.3708,
230.8857, 320.8971

■ 11.6382, 9.7101,
20.3416

■ 40.9367, 37.0533,
62.3222

■ 6.5683, 5.2072,
12.4571

■ 56.6169, 52.0605,
83.8199

■ 3.2375, 2.3693,
6.9295

■ 75.8631, 70.6548,
109.7672

■ 1.2806, 0.8100,
3.3402

■ 99.0406, 93.2205,
140.5826

■ 0.1686, 0.0000,
1.2709

126.5147,
120.1420, 176.6848

■ 0.0000, 0.0000,
0.0377

158.6509,

■ 0.0000, 0.0000,

151.8038, 218.4923

0.0000

195.8145,
188.5903, 266.4235

■ 18.8127, 16.2625,
31.0016

■ 18.8127, 16.2625,
31.0016

■ 16.3341, 12.9654,
30.4961

■ 21.6536, 20.1445,
31.6014

■ 14.1998, 10.2214,
30.0789

■ 24.8706, 24.6371,
32.2990

■ 12.3923, 7.9988,
29.7452

■ 28.4786, 29.7665,
33.0990

■ 10.8919, 6.2616,
29.4890

■ 32.4913, 35.5573,
34.0052

■ 9.6764, 4.9689,
29.3035

■ 36.9215, 42.0323,
35.0215

■ 8.7199, 4.0730,
29.1810

■ 41.7817, 49.2134,
36.1514

■ 8.0461, 3.5120,
29.1082

■ 47.0836, 57.1215,
37.3984

■ 52.8385, 65.7766,
38.7657

■ 59.0573, 75.1980,
40.2564

Harmonies

Analogous

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



16.2858, 16.2625, 35.6201



18.8127, 16.2625, 31.0016



20.5545, 16.2625, 23.1308

Triad

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



18.8127, 16.2625, 31.0016



17.2501, 16.2625, 7.4952



11.0835, 16.2625, 20.1434

Complementary

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



18.8127, 16.2625, 31.0016



22.2572, 27.3816, 16.9448

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.



11.2808, 16.2625, 13.2053



18.8127, 16.2625, 31.0016



14.6568, 16.2625, 7.1070

Square

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



18.8127, 16.2625, 31.0016



19.5853, 16.2625, 10.1538



12.5262, 16.2625, 8.8886



11.9539, 16.2625, 28.3021

Rectangle

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



18.8127, 16.2625, 31.0016



20.9344, 16.2625, 17.8305



12.5262, 16.2625, 8.8886



11.0295, 16.2625, 17.5843

Sweetspot

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



18.8132, 16.2632, 31.0020



45.2033, 45.3323, 57.2888



18.8270, 20.5419, 31.8271



9.8372, 9.7912, 12.6562



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.



18.8132, 16.2632, 31.0020



29.8964, 24.2882, 54.0336



22.6470, 18.2396, 31.1814



5.7421, 5.7580, 7.2785



6.7097, 2.9316, 24.1432



0.1156, 0.0532, 0.2971

Inverse Universe

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



21.3248, 17.7437, 22.7238



35.2187, 27.4280, 36.3888



19.1300, 25.7695, 16.7985



5.9220, 5.8639, 6.6953



11.6424, 5.8620, 6.8641



0.1574, 0.0777, 0.1625

Previews

White Background



This preview shows how the XYZ color 18.8127, 16.2625, 31.0016 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 18.8127, 16.2625, 31.0016 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 18.8127, 16.2625, 31.0016

Background



This preview shows how black text looks on a background with the XYZ color 18.8127, 16.2625, 31.0016.



This preview shows how white text looks on a background with the XYZ color 18.8127, 16.2625,

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

18.8127, 16.2625, 31.0016

Protanopia

16.8308, 16.4218, 33.7351

Deuteranopia

16.6233, 16.3906, 30.3045



Tritanopia

16.4844, 16.2384, 19.4050

Trichromacy



Original Color

18.8127, 16.2625, 31.0016

Protanomaly

17.3796, 16.2464, 32.7917

Deuteranomaly

17.3429, 16.2746, 30.6610

Tritanomaly

17.3130, 16.2647, 23.3460

Monochromacy



Original Color

18.8127, 16.2625, 31.0016

Achromatopsia

16.2955, 17.1441, 18.6699

Achromatomaly

17.1885, 16.8493, 22.7684

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.8127, 16.2625, 31.0016 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(125, 103, 150)` looks like.

```
.text, #text, p{  
    color:rgb(125, 103, 150)  
}
```

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(125, 103, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(125, 103, 150) }
```

Border

The CSS property to change the border of an element to XYZ 18.8127, 16.2625, 31.0016 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(125, 103, 150) }
```


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

```
.border{ border-color:rgb(125, 103, 150) }
```

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

Here you see how a box with a 4 pixel `rgb(125, 103, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(125, 103, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(125, 103, 150);  
box-shadow:4px 4px 4px 4px rgb(125, 103,  
150) }
```

Background

The CSS property to change the background color of an element to XYZ 18.8127, 16.2625, 31.0016 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(125, 103, 150) }
```

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

```
.background{ background-color: rgb(125,  
103, 150) }
```

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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