

Converting Colors

XYZ(18.6615, 18.7038, 15.9681)

Have a look what the booklet for
XYZ(18.6615, 18.7038, 15.9681)
contains.

XYZ(18.7426, 18.8108, 16.0076)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(18.7426, 18.8108,
16.0076)**

Conversions

Conversions Part 1

Format	Color
Hex	867569
RGB	134, 117, 105
RGB Percent	53%, 46%, 41%
CMY	0.4745, 0.5412, 0.5882
CMYK	0.00, 0.13, 0.22, 0.47
HSL	25°, 12%, 47%
HSV	25°, 22%, 53%
XYZ	18.7426, 18.8108, 16.0076
YIQ	120.7150, 13.9840, -0.1280

Conversions

Conversions Part 2

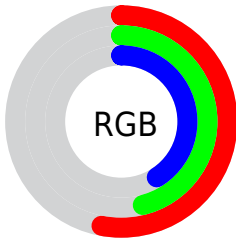
Format	Color
RYB	134, 125, 105
Decimal	8811881
CIELab	50.47, 4.54, 9.04
CIELCh	50, 10.114, 63.331
Yxy	18.8108, 0.3499, 0.3512
Android (android.graphics.Color)	4287001961 (0xFF867569)
YUV	120.7150, -7.7475, 11.6509
Hunter-Lab	43.3714, 1.2373, 8.4771

Details

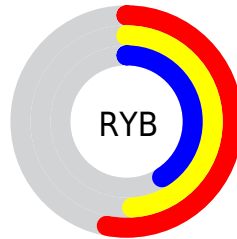
The XYZ color **18.7426, 18.8108, 16.0076** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **17.0882, 18.6431, 25.2523**, and the grayscale version is **18.1034, 19.0462, 20.7413**.

A 20% lighter version of the original color is **40.6822, 41.3410, 37.2879**, and **6.5480, 6.4465, 4.9022** is the 20% darker color. If you saturate the color by 10%, you get **17.2305, 16.8033, 12.3692**, and if you desaturate by 10%, it is **20.4410, 21.0170, 20.2441**.

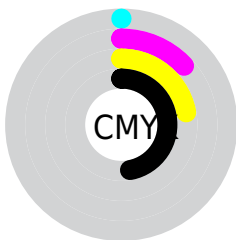
Distribution



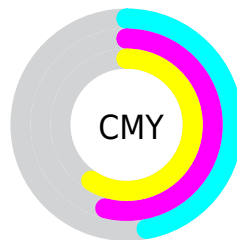
- Red (53%)
- Green (46%)
- Blue (41%)



- Red (53%)
- Yellow (49%)
- Blue (41%)



- Cyan (0%)
- Magenta (13%)
- Yellow (22%)
- Black (47%)



- Cyan (47%)
- Magenta (54%)
- Yellow (59%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.7426, 18.8108, 16.0076 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 18.7426, 18.8108, 16.0076 by changing the saturation by 10% instead.

■ 18.7426, 18.8108,
16.0076

■ 18.7426, 18.8108,
16.0076

237.9895,
245.4023, 241.2338

■ 11.5873, 11.5336,
9.3751

■ 40.8189, 41.4142,
37.3784

■ 6.5335, 6.4270,
4.8865

■ 56.4707, 57.5091,
52.9537

■ 3.2158, 3.1064,
2.1233

■ 75.6854, 77.3122,
72.3472

■ 1.2689, 1.1875,
0.6296

■ 98.8283, 101.2077,
95.9772

■ 0.1598, 0.0515,
0.0000

126.2648,
129.5801, 124.2623

■ 0.0000, 0.0000,
0.0000

158.3603,

162.8137, 157.6211

195.4801,
201.2930, 196.4721

■ 18.7426, 18.8108,
16.0076

■ 18.7426, 18.8108,
16.0076

■ 17.2305, 16.8033,
12.3692

■ 20.4410, 21.0170,
20.2441

■ 15.8963, 14.9861,
9.3003

■ 22.3309, 23.4250,
25.1030

■ 14.7331, 13.3541,
6.7719

■ 24.4188, 26.0407,
30.6088

■ 13.7329, 11.9008,
4.7518

■ 26.7108, 28.8693,
36.7842

■ 12.8869, 10.6193,
3.2043

■ 29.2125, 31.9157,
43.6510

■ 12.1854, 9.5021,
2.0891

■ 31.9292, 35.1846,
51.2298

■ 11.6172, 8.5410,
1.3590

■ 34.8663, 38.6806,
59.5404

■ 11.2197, 7.8447,
0.9228

■ 38.0287, 42.4081,
68.6018

■ 41.4213, 46.3714,
78.4324

Harmonies

Analogous

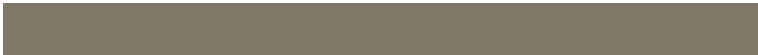
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



19.5084, 18.8108, 17.6440



18.7426, 18.8108, 16.0076



17.7693, 18.8108, 15.5306

Triad

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



18.7426, 18.8108, 16.0076



16.0545, 18.8108, 20.7985



18.9399, 18.8108, 25.3554

Complementary

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



18.7426, 18.8108, 16.0076



17.0882, 18.6431, 25.2523

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.



17.9893, 18.8108, 26.3870



18.7426, 18.8108, 16.0076



16.3431, 18.8108, 23.6086

Square

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



18.7426, 18.8108, 16.0076



16.2397, 18.8108, 18.1427



17.0425, 18.8108, 25.7204



19.6253, 18.8108, 23.0137

Rectangle

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



18.7426, 18.8108, 16.0076



17.1396, 18.8108, 15.8946



17.0425, 18.8108, 25.7204



18.6396, 18.8108, 25.8762

Sweetspot

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



18.7431, 18.8116, 16.0080



37.8068, 39.3223, 40.2458



18.4210, 16.5868, 20.7735



8.4781, 8.8088, 8.9656



64.0503, 67.3860, 73.3833



8.9945, 9.4630, 10.3052

Same Dimension

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



18.7431, 18.8116, 16.0080



31.6692, 31.3566, 24.9146



20.5112, 22.3479, 16.5974



4.8192, 4.9819, 4.9370



10.5246, 7.3719, 0.8682



0.0434, 0.0394, 0.0053

Inverse Universe

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



17.0882, 18.6431, 25.2523



28.2095, 31.0028, 44.2357



15.4810, 15.4288, 24.7165



4.6443, 4.9642, 5.9142



6.6326, 6.8130, 22.1022



0.0302, 0.0380, 0.0790

Previews

White Background



This preview shows how the XYZ color 18.7426, 18.8108, 16.0076 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 18.7426, 18.8108, 16.0076 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

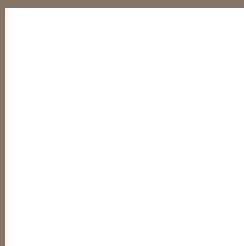
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 18.7426, 18.8108, 16.0076

Background



This preview shows how black text looks on a background with the XYZ color 18.7426, 18.8108, 16.0076.



This preview shows how white text looks on a background with the XYZ color 18.7426, 18.8108,

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

18.7426, 18.8108, 16.0076

Protanopia

17.9222, 18.9092, 16.3409

Deuteranopia

19.1117, 18.8291, 15.9917



Tritanopia

19.7458, 18.6989, 21.3074

Trichromacy



Original Color

18.7426, 18.8108, 16.0076

Protanomaly

18.2516, 18.9014, 16.3220

Deuteranomaly

18.9485, 18.7449, 15.9840

Tritanomaly

19.2748, 18.6733, 19.1114

Monochromacy



Original Color

18.7426, 18.8108, 16.0076

Achromatopsia

18.1737, 19.1202, 20.8219

Achromatomaly

18.4152, 19.1064, 18.9370

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.7426, 18.8108, 16.0076 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(134, 117, 105)` looks like.

```
.text, #text, p{  
    color:rgb(134, 117, 105)  
}
```

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(134, 117, 105) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(134, 117, 105) }
```

Border

The CSS property to change the border of an element to XYZ 18.7426, 18.8108, 16.0076 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(134, 117, 105) }
```


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

```
.border{ border-color:rgb(134, 117, 105) }
```

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

Here you see how a box with a 4 pixel `rgb(134, 117, 105)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(134, 117, 105); -webkit-box-  
shadow:4px 4px 4px 4px rgb(134, 117, 105);  
box-shadow:4px 4px 4px 4px rgb(134, 117,  
105) }
```

Background

The CSS property to change the background color of an element to XYZ 18.7426, 18.8108, 16.0076 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(134, 117, 105) }
```

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

```
.background{ background-color: rgb(134,  
117, 105) }
```

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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