

Converting Colors

XYZ(18.6246, 16.9475, 23.1236)

Have a look what the booklet for
XYZ(18.6246, 16.9475, 23.1236)
contains.

XYZ(18.5802, 16.9257, 23.0566)	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(18.5802, 16.9257,
23.0566)**

Conversions

Conversions Part 1

Format	Color
Hex	836B81
RGB	131, 107, 129
RGB Percent	51%, 42%, 51%
CMY	0.4863, 0.5804, 0.4941
CMYK	0.00, 0.18, 0.02, 0.49
HSL	305°, 10%, 47%
HSV	305°, 18%, 51%
XYZ	18.5802, 16.9257, 23.0566
YIQ	116.6840, 7.2420, 11.9300

Conversions

Conversions Part 2

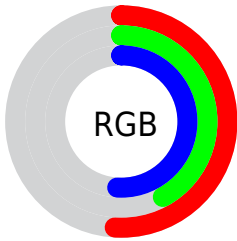
Format	Color
R_{YB}	131, 107, 129
Decimal	8612737
CIE _{Lab}	48.17, 13.61, -8.58
CIE _{LCh}	48, 16.084, 327.772
Yxy	16.9257, 0.3173, 0.2890
Android (android.graphics.Color)	4286802817 (0xFF836B81)
YUV	116.6840, 6.0718, 12.5551
Hunter-Lab	41.1409, 8.6184, -4.4293

Details

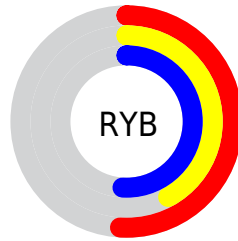
The XYZ color **18.5802, 16.9257, 23.0566** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **16.9407, 20.4630, 17.5258**, and the grayscale version is **16.7915, 17.6660, 19.2383**.

A 20% lighter version of the original color is **40.4375, 38.0215, 49.4636**, and **6.4053, 5.4564, 8.3050** is the 20% darker color. If you saturate the color by 10%, you get **17.2446, 14.3697, 22.2555**, and if you desaturate by 10%, it is **20.1246, 19.8974, 23.9315**.

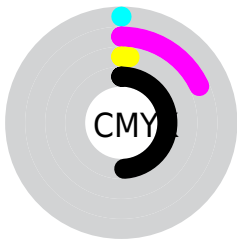
Distribution



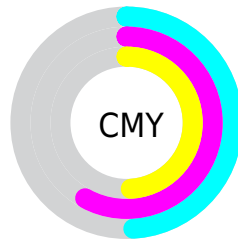
- Red (51%)
- Green (42%)
- Blue (51%)



- Red (51%)
- Yellow (42%)
- Blue (51%)



- Cyan (0%)
- Magenta (18%)
- Yellow (2%)
- Black (49%)



- Cyan (49%)
- Magenta (58%)
- Yellow (49%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.5802, 16.9257, 23.0566 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 18.5802, 16.9257, 23.0566 by changing the saturation by 10% instead.

■ 18.5802, 16.9257,
23.0566

■ 18.5802, 16.9257,
23.0566

237.1042,
234.7438, 281.1469

■ 11.4695, 10.1815,
14.4296

■ 40.5459, 38.1980,
49.4106

■ 6.4532, 5.5195,
8.2779

■ 56.1317, 53.4949,
67.9747

■ 3.1658, 2.5552,
4.1830

■ 75.2731, 72.4115,
90.6883

■ 1.2420, 0.9042,
1.7263

■ 98.3357, 95.3322,
117.9699

■ 0.1392, 0.0000,
0.3786

125.6848,
122.6414, 150.2380

■ 0.0000, 0.0000,
0.0000

157.6856,

154.7235, 187.9112

194.7036,
191.9628, 231.4080

■ 18.5802, 16.9257,
23.0566

■ 18.5802, 16.9257,
23.0566

■ 17.2446, 14.3697,
22.2555

■ 20.1246, 19.8974,
23.9315

■ 16.1069, 12.2086,
21.5239

■ 21.8848, 23.2999,
24.8821

■ 15.1576, 10.4231,
20.8590

■ 23.8697, 27.1503,
25.9114

■ 14.3859, 8.9915,
20.2570

■ 26.0869, 31.4643,
27.0219

■ 13.7798, 7.8899,
19.7140

■ 28.5439, 36.2566,
28.2163

■ 13.3259, 7.0914,
19.2255

■ 31.2478, 41.5412,
29.4969

■ 13.0085, 6.5649,
18.7863

■ 34.2052, 47.3319,
30.8659

■ 12.7905, 6.2357,
18.3840

■ 37.4229, 53.6416,
32.3255

■ 12.7554, 6.1834,
18.3172

■ 40.9069, 60.4828,
33.8778

Harmonies

Analogous

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



17.4308, 16.9257, 26.4951



18.5802, 16.9257, 23.0566



19.0579, 16.9257, 18.7435

Triad

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



18.5802, 16.9257, 23.0566



16.1967, 16.9257, 11.5078



13.7297, 16.9257, 22.4338

Complementary

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



18.5802, 16.9257, 23.0566



16.9407, 20.4630, 17.5258

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.



13.4428, 16.9257, 18.1184



18.5802, 16.9257, 23.0566



14.8148, 16.9257, 12.1930

Square

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



18.5802, 16.9257, 23.0566



17.6310, 16.9257, 12.4318



13.8281, 16.9257, 14.4665



14.6366, 16.9257, 26.0990

Rectangle

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



18.5802, 16.9257, 23.0566



18.9107, 16.9257, 16.0832



13.8281, 16.9257, 14.4665



13.5600, 16.9257, 20.9930

Sweetspot

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



18.5807, 16.9264, 23.0570



37.0053, 37.4977, 43.3861



15.6619, 15.4062, 23.6211



8.5726, 8.6472, 10.0777



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.



18.5807, 16.9264, 23.0570



32.2271, 28.3049, 40.6729



17.8292, 16.6258, 19.0997



4.8416, 4.7563, 5.7782



12.5561, 6.0868, 18.0328



0.0447, 0.0216, 0.0689

Inverse Universe

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



18.5807, 16.9264, 23.0570



32.2271, 28.3049, 40.6729



17.6315, 20.7393, 21.1635



4.8416, 4.7563, 5.7782



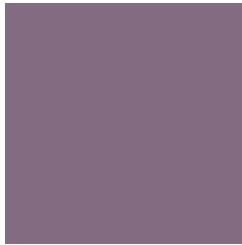
12.5561, 6.0868, 18.0328



0.0447, 0.0216, 0.0689

Previews

White Background



This preview shows how the XYZ color 18.5802, 16.9257, 23.0566 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 18.5802, 16.9257, 23.0566 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 18.5802, 16.9257, 23.0566

Background



This preview shows how black text looks on a background with the XYZ color 18.5802, 16.9257, 23.0566.



This preview shows how white text looks on a background with the XYZ color 18.5802, 16.9257,

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

18.5802, 16.9257, 23.0566

Protanopia

16.8065, 17.1076, 24.6066

Deuteranopia

17.1885, 16.8493, 22.7684



Tritanopia

17.7919, 16.9124, 19.4662

Trichromacy



Original Color

18.5802, 16.9257, 23.0566

Protanomaly

17.3205, 16.8864, 24.1763

Deuteranomaly

17.6406, 16.9213, 22.7585

Tritanomaly

18.0813, 16.8761, 20.7168

Monochromacy



Original Color

18.5802, 16.9257, 23.0566

Achromatopsia

16.9083, 17.7888, 19.3720

Achromatomaly

17.3824, 17.3283, 20.5177

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.5802, 16.9257, 23.0566 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(131, 107, 129)` looks like.

```
.text, #text, p{  
    color:rgb(131, 107, 129)  
}
```

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(131, 107, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 107, 129) }
```

Border

The CSS property to change the border of an element to XYZ 18.5802, 16.9257, 23.0566 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(131, 107, 129) }
```


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

```
.border{ border-color:rgb(131, 107, 129) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 107, 129)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 107, 129); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 107, 129);  
box-shadow:4px 4px 4px 4px rgb(131, 107,  
129) }
```

Background

The CSS property to change the background color of an element to XYZ 18.5802, 16.9257, 23.0566 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 107, 129) }
```

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

```
.background{ background-color: rgb(131,  
107, 129) }
```

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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