

Converting Colors

XYZ(18.1443, 16.1329, 23.5216)

Have a look what the booklet for
XYZ(18.1443, 16.1329, 23.5216)
contains.

XYZ(18.1529, 16.0850, 23.6207)	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(18.1529, 16.0850,
23.6207)**

Conversions

Conversions Part 1

Format	Color
Hex	826783
RGB	130, 103, 131
RGB Percent	51%, 40%, 51%
CMY	0.4902, 0.5961, 0.4863
CMYK	0.01, 0.21, 0.00, 0.49
HSL	298°, 12%, 46%
HSV	298°, 21%, 51%
XYZ	18.1529, 16.0850, 23.6207
YIQ	114.2650, 7.1040, 14.4320

Conversions

Conversions Part 2

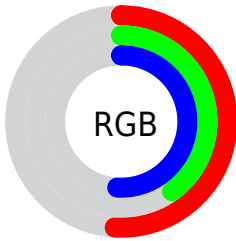
Format	Color
R_{YB}	130, 103, 131
Decimal	8546179
CIE _{Lab}	47.09, 16.02, -11.40
CIE _{LCh}	47, 19.666, 324.555
Yxy	16.0850, 0.3137, 0.2780
Android (android.graphics.Color)	4286736259 (0xFF826783)
YUV	114.2650, 8.2504, 13.7996
Hunter-Lab	40.1061, 10.6073, -6.8449

Details

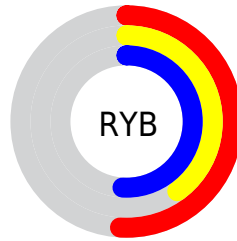
The XYZ color **18.1529, 16.0850, 23.6207** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **16.2740, 20.1553, 15.8654**, and the grayscale version is **16.0487, 16.8844, 18.3872**.

A 20% lighter version of the original color is **39.7358, 36.6392, 50.3252**, and **6.2454, 5.1430, 8.6462** is the 20% darker color. If you saturate the color by 10%, you get **16.8792, 13.6437, 23.2168**, and if you desaturate by 10%, it is **19.6320, 18.9362, 24.0933**.

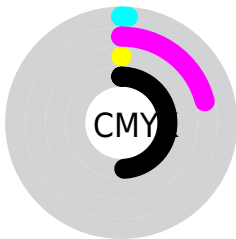
Distribution



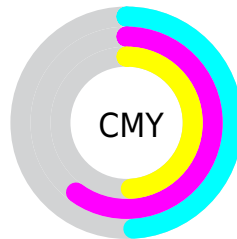
- Red (51%)
- Green (40%)
- Blue (51%)



- Red (51%)
- Yellow (40%)
- Blue (51%)



- Cyan (1%)
- Magenta (21%)
- Yellow (0%)
- Black (49%)



- Cyan (49%)
- Magenta (60%)
- Yellow (49%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.1529, 16.0850, 23.6207 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 18.1529, 16.0850, 23.6207 by changing the saturation by 10% instead.

■ 18.1529, 16.0850,
23.6207

■ 18.1529, 16.0850,
23.6207

234.7604,
229.8428, 284.1218

■ 11.1602, 9.5843,
14.8429

■ 39.8257, 36.7457,
50.3466

■ 6.2428, 5.1242,
8.5638

■ 55.2365, 51.6745,
69.1317

■ 3.0353, 2.3203,
4.3649

■ 74.1841, 70.1815,
92.0897

■ 1.1725, 0.7844,
1.8276

■ 97.0338, 92.6511,
119.6392

■ 0.0845, 0.0000,
0.4461

124.1508,
119.4676, 152.1985

■ 0.0000, 0.0000,
0.0000

155.9008,

151.0154, 190.1864

192.6488,
187.6790, 234.0213

■ 18.1529, 16.0850,
23.6207

■ 18.1529, 16.0850,
23.6207

■ 16.8792, 13.6437,
23.2168

■ 19.6320, 18.9362,
24.0933

■ 15.8001, 11.5912,
22.8775

■ 21.3241, 22.2130,
24.6366

■ 14.9057, 9.9077,
22.5998

■ 23.2378, 25.9327,
25.2537

■ 14.1849, 8.5711,
22.3797

■ 25.3811, 30.1111,
25.9473

■ 13.6254, 7.5564,
22.2134

■ 27.7615, 34.7632,
26.7198

■ 13.2131, 6.8357,
22.0960

■ 30.3861, 39.9033,
27.5736

■ 12.9317, 6.3761,
22.0221

■ 33.2619, 45.5452,
28.5110

■ 12.7486, 6.0989,
21.9783

■ 36.3954, 51.7020,
29.5342

■ 39.7930, 58.3864,
30.6454

Harmonies

Analogous

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



16.7086, 16.0850, 27.6532



18.1529, 16.0850, 23.6207



18.8338, 16.0850, 18.4308

Triad

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



18.1529, 16.0850, 23.6207



15.6052, 16.0850, 9.6571



12.4654, 16.0850, 21.7656

Complementary

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



18.1529, 16.0850, 23.6207



16.2740, 20.1553, 15.8654

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.



12.2183, 16.0850, 16.6278



18.1529, 16.0850, 23.6207



13.9509, 16.0850, 10.2164

Square

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



18.1529, 16.0850, 23.6207



17.2937, 16.0850, 10.8587



12.7421, 16.0850, 12.5622



13.4443, 16.0850, 26.4488

Rectangle

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



18.1529, 16.0850, 23.6207



18.7288, 16.0850, 15.2334



12.7421, 16.0850, 12.5622



12.2973, 16.0850, 20.0113

Sweetspot

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



18.1534, 16.0857, 23.6210



36.6937, 36.8844, 43.6386



14.6816, 14.5044, 23.4988



8.5056, 8.5148, 10.1479



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.



18.1534, 16.0857, 23.6210



31.2711, 26.4304, 41.9066



17.5047, 15.8440, 19.4006



4.8419, 4.7546, 5.8633



12.5495, 6.0036, 21.6341



0.0448, 0.0215, 0.0750

Inverse Universe

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



16.7096, 15.5260, 15.2136



28.1750, 25.2317, 23.8125



16.8395, 20.3682, 19.4458



4.6788, 4.6912, 4.9209



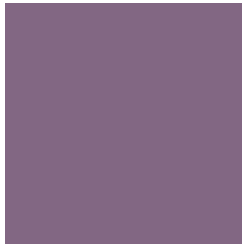
9.2390, 4.7600, 0.5652



0.0324, 0.0167, 0.0041

Previews

White Background



This preview shows how the XYZ color 18.1529, 16.0850, 23.6207 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 18.1529, 16.0850, 23.6207 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

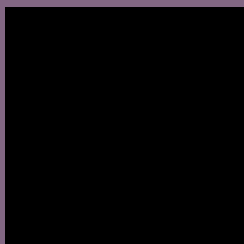
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 18.1529, 16.0850, 23.6207

Background



This preview shows how black text looks on a background with the XYZ color 18.1529, 16.0850, 23.6207.



This preview shows how white text looks on a background with the XYZ color 18.1529, 16.0850,

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

18.1529, 16.0850, 23.6207

Protanopia

16.0722, 16.2106, 25.5744

Deuteranopia

16.4373, 16.1264, 23.3655



Tritanopia

17.0934, 16.1122, 18.1286

Trichromacy



Original Color

18.1529, 16.0850, 23.6207

Protanomaly

16.7359, 16.0912, 24.7781

Deuteranomaly

17.0327, 16.1202, 23.3329

Tritanomaly

17.4950, 16.1263, 19.9599

Monochromacy



Original Color

18.1529, 16.0850, 23.6207

Achromatopsia

15.9940, 16.8269, 18.3245

Achromatomaly

16.7118, 16.5010, 20.0735

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.1529, 16.0850, 23.6207 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(130, 103, 131)` looks like.

```
.text, #text, p{  
    color:rgb(130, 103, 131)  
}
```

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(130, 103, 131) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 103, 131) }
```

Border

The CSS property to change the border of an element to XYZ 18.1529, 16.0850, 23.6207 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(130, 103, 131) }
```


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

```
.border{ border-color:rgb(130, 103, 131) }
```

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

Here you see how a box with a 4 pixel `rgb(130, 103, 131)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 103, 131); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 103, 131);  
box-shadow:4px 4px 4px 4px rgb(130, 103,  
131) }
```

Background

The CSS property to change the background color of an element to XYZ 18.1529, 16.0850, 23.6207 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 103, 131) }
```

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

```
.background{ background-color: rgb(130,  
103, 131) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor