

Converting Colors

XYZ(18.3222, 16.1867, 23.5330)

Have a look what the booklet for
XYZ(18.3222, 16.1867, 23.5330)
contains.

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Color

**XYZ(18.3071, 16.1645,
23.6279)**

Conversions

Conversions Part 1

Format	Color
Hex	836783
RGB	131, 103, 131
RGB Percent	51%, 40%, 51%
CMY	0.4863, 0.5961, 0.4863
CMYK	0.00, 0.21, 0.00, 0.49
HSL	300°, 12%, 46%
HSV	300°, 21%, 51%
XYZ	18.3071, 16.1645, 23.6279
YIQ	114.5640, 7.7000, 14.6440

Conversions

Conversions Part 2

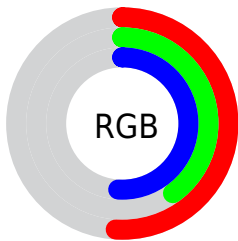
Format	Color
R_{YB}	131, 103, 131
Decimal	8611715
CIE _{Lab}	47.19, 16.39, -11.24
CIE _{LCh}	47, 19.870, 325.558
Yxy	16.1645, 0.3151, 0.2782
Android (android.graphics.Color)	4286801795 (0xFF836783)
YUV	114.5640, 8.1029, 14.4144
Hunter-Lab	40.2051, 10.9198, -6.7002

Details

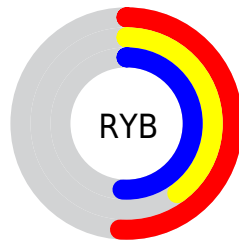
The XYZ color **18.3071, 16.1645, 23.6279** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **16.1587, 20.0960, 15.8602**, and the grayscale version is **16.1390, 16.9795, 18.4906**.

A 20% lighter version of the original color is **39.9745, 36.7622, 50.3363**, and **6.3305, 5.1869, 8.6502** is the 20% darker color. If you saturate the color by 10%, you get **17.1050, 13.7601, 23.2273**, and if you desaturate by 10%, it is **19.7143, 18.9787, 24.0973**.

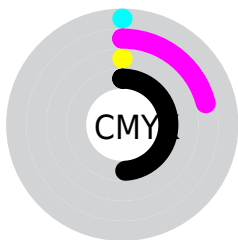
Distribution



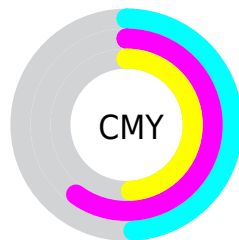
- Red (51%)
- Green (40%)
- Blue (51%)



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



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



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.3071, 16.1645, 23.6279 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 18.3071, 16.1645, 23.6279 by changing the saturation by 10% instead.

■ 18.3071, 16.1645,
23.6279

■ 18.3071, 16.1645,
23.6279

235.6086,
230.3104, 284.1596

■ 11.2717, 9.6406,
14.8482

■ 40.0859, 36.8835,
50.3585

■ 6.3185, 5.1613,
8.5675

■ 55.5601, 51.8475,
69.1465

■ 3.0822, 2.3422,
4.3672

■ 74.5778, 70.3936,
92.1076

■ 1.1974, 0.7959,
1.8289

■ 97.5046, 92.9063,
119.6604

■ 0.1043, 0.0000,
0.4469

124.7057,
119.7700, 152.2235

■ 0.0000, 0.0000,
0.0000

156.5465,

151.3689, 190.2153

193.3923,
188.0876, 234.0545

■ 18.3071, 16.1645,
23.6279

■ 18.3071, 16.1645,
23.6279

■ 17.1050, 13.7601,
23.2273

■ 19.7143, 18.9787,
24.0973

■ 16.0971, 11.7443,
22.8912

■ 21.3341, 22.2182,
24.6373

■ 15.2737, 10.0974,
22.6167

■ 23.1753, 25.9005,
25.2511

■ 14.6235, 8.7971,
22.3999

■ 25.2457, 30.0414,
25.9413

■ 14.1343, 7.8187,
22.2367

■ 27.5529, 34.6557,
26.7105

■ 13.7919, 7.1340,
22.1225

■ 30.1041, 39.7580,
27.5609

■ 13.5801, 6.7104,
22.0518

■ 32.9060, 45.3618,
28.4950

■ 13.4569, 6.4640,
22.0107

■ 35.9653, 51.4804,
29.5149

■ 39.2883, 58.1265,
30.6226

Harmonies

Analogous

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



16.8607, 16.1645, 27.7958



18.3071, 16.1645, 23.6279



18.9660, 16.1645, 18.3568

Triad

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



18.3071, 16.1645, 23.6279



15.6258, 16.1645, 9.6394



12.5257, 16.1645, 22.0905

Complementary

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



18.3071, 16.1645, 23.6279



16.1587, 20.0960, 15.8602

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.



12.2494, 16.1645, 16.8651



18.3071, 16.1645, 23.6279



13.9584, 16.1645, 10.2638

Square

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



18.3071, 16.1645, 23.6279



17.3451, 16.1645, 10.7932



12.7543, 16.1645, 12.6965



13.5395, 16.1645, 26.7966

Rectangle

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



18.3071, 16.1645, 23.6279



18.8361, 16.1645, 15.1418



12.7543, 16.1645, 12.6965



12.3469, 16.1645, 20.3117

Sweetspot

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



18.3076, 16.1652, 23.6282



36.7732, 36.9254, 43.6422



14.5412, 14.2236, 23.4522



8.5257, 8.5252, 10.1488



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.



18.3076, 16.1652, 23.6282



31.6141, 26.6073, 41.9222



17.4218, 15.8109, 18.9639



4.8579, 4.7628, 5.8640



13.2460, 6.3628, 21.6658



0.0459, 0.0220, 0.0751

Inverse Universe

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



18.3076, 16.1652, 23.6282



31.6141, 26.6073, 41.9222



16.9213, 20.4011, 19.8762



4.8579, 4.7628, 5.8640



13.2460, 6.3628, 21.6658



0.0459, 0.0220, 0.0751

Previews

White Background



This preview shows how the XYZ color 18.3071, 16.1645, 23.6279 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 18.3071, 16.1645, 23.6279 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 18.3071, 16.1645, 23.6279

Background



This preview shows how black text looks on a background with the XYZ color 18.3071, 16.1645, 23.6279.



This preview shows how white text looks on a background with the XYZ color 18.3071, 16.1645,

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

18.3071, 16.1645, 23.6279

Protanopia

16.0722, 16.2106, 25.5744

Deuteranopia

16.5681, 16.1938, 23.3716



Tritanopia

17.2446, 16.1901, 18.1357

Trichromacy



Original Color

18.3071, 16.1645, 23.6279

Protanomaly

16.7359, 16.0912, 24.7781

Deuteranomaly

17.1721, 16.1920, 23.3394

Tritanomaly

17.6477, 16.2050, 19.9671

Monochromacy



Original Color

18.3071, 16.1645, 23.6279

Achromatopsia

16.2955, 17.1441, 18.6699

Achromatomaly

17.0208, 16.8143, 20.4376

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.3071, 16.1645, 23.6279 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, 103, 131)` looks like.

```
.text, #text, p{  
    color:rgb(131, 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(131, 103, 131) colored shadow looks like.

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

Border

The CSS property to change the border of an element to XYZ 18.3071, 16.1645, 23.6279 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, 103, 131) }
```


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

```
.border{ border-color:rgb(131, 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(131, 103, 131)` colored shadow looks like.

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

Background

The CSS property to change the background color of an element to XYZ 18.3071, 16.1645, 23.6279 is called "background". The background property can be set on classes, ids or directly on the HTML element.

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

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

```
.background{ background-color: rgb(131,  
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](#).

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