

Converting Colors

XYZ(17.9197, 8.7416, 23.2615)

Have a look what the booklet for
XYZ(17.9197, 8.7416, 23.2615)
contains.

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Color

**XYZ(18.0134, 8.7892,
23.3013)**

Conversions

Conversions Part 1

Format	Color
Hex	9C0086
RGB	156, 0, 134
RGB Percent	61%, 0%, 53%
CMY	0.3882, 0.9999, 0.4745
CMYK	0.00, 1.00, 0.14, 0.39
HSL	308°, 100%, 31%
HSV	308°, 100%, 61%
XYZ	18.0134, 8.7892, 23.3013
YIQ	61.9200, 49.9620, 74.7460

Conversions

Conversions Part 2

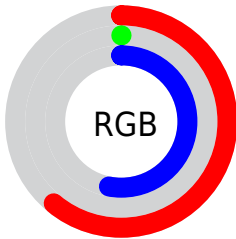
Format	Color
RYB	156, 0, 134
Decimal	10223750
CIELab	35.58, 64.90, -30.71
CIELCh	36, 71.794, 334.678
Yxy	8.7892, 0.3595, 0.1754
Android (android.graphics.Color)	4288413830 (0xFF9C0086)
YUV	61.9200, 35.5354, 82.5082
Hunter-Lab	29.6466, 56.5759, -25.8475

Details

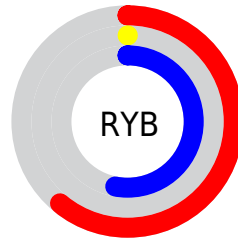
The XYZ color **18.0134, 8.7892, 23.3013** is a dark color, and the websafe version is hex **990099**. A complement of this color would be **12.0338, 23.8353, 4.7265**, and the grayscale version is **4.5142, 4.7493, 5.1720**.

A 20% lighter version of the original color is **39.6046, 23.5189, 50.0292**, and **6.8558, 3.3494, 8.6727** is the 20% darker color. If you saturate the color by 10%, you get **18.0133, 8.7891, 23.3004**, and if you desaturate by 10%, it is **18.3483, 9.2107, 24.1781**.

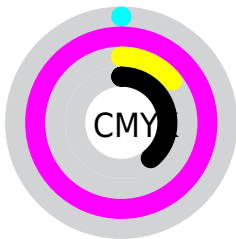
Distribution



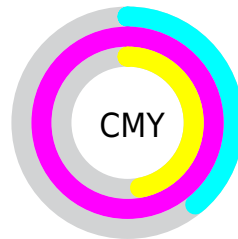
- Red (61%)
- Green (0%)
- Blue (53%)



- Red (61%)
- Yellow (0%)
- Blue (53%)



- Cyan (0%)
- Magenta (100%)
- Yellow (14%)
- Black (39%)





- Cyan (39%)
- Magenta (100%)
- Yellow (47%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.0134, 8.7892, 23.3013 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 18.0134, 8.7892, 23.3013 by changing the saturation by 10% instead.


 18.0134, 8.7892,
23.3013


 18.0134, 8.7892,
23.3013


233.9907,
181.7974, 282.4407


 11.0594, 4.6039,
14.6088


 39.5901, 23.4917,
49.8170


 6.1744, 2.0168,
8.4017


 54.9434, 34.7777,
68.4773

 2.9931, 0.6172,
4.2616

 73.8272, 49.1994,
91.2972

 1.1501, 0.0000,
1.7699

 96.6068, 67.1412,
118.6954

 0.0664, 0.0000,
0.4080

 123.6476, 88.9876,
151.0902

 0.0000, 0.0000,
0.0000

 155.3150,

115.1228, 188.9004

191.9742,
145.9313, 232.5444

■ 18.0134, 8.7892,
23.3013

■ 18.0134, 8.7892,
23.3013

■ 18.0133, 8.7891,
23.3004

■ 18.3483, 9.2107,
24.1781

■ 18.8227, 9.9061,
25.1172

■ 19.4978, 10.9979,
26.1391

■ 20.3989, 12.5363,
27.2524

■ 21.5472, 14.5640,
28.4643

■ 22.9618, 17.1189,
29.7811

■ 24.6596, 20.2351,
31.2086

■ 26.6563, 23.9438,
32.7521

■ 28.9664, 28.2738,
34.4166

Harmonies

Analogous

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



13.8569, 8.7892, 44.0891



18.0134, 8.7892, 23.3013



19.2956, 8.7892, 7.8011

Triad

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



18.0134, 8.7892, 23.3013



7.7110, 8.7892, 0.0000



3.3092, 8.7892, 29.7445

Complementary

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



18.0134, 8.7892, 23.3013



12.0338, 23.8353, 4.7265

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.



2.6051, 8.7892, 11.5877



18.0134, 8.7892, 23.3013



4.5432, 8.7892, 0.1605

Square

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



18.0134, 8.7892, 23.3013



12.3157, 8.7892, 0.0000



2.9657, 8.7892, 2.6854



5.3484, 8.7892, 49.5335

Rectangle

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



18.0134, 8.7892, 23.3013



18.0776, 8.7892, 2.7878



2.9657, 8.7892, 2.6854



2.9465, 8.7892, 22.8770

Sweetspot

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



18.0137, 8.7896, 23.3015



44.5863, 36.3791, 56.5201



6.3064, 2.5582, 31.6142



9.5352, 7.4973, 12.2101



74.8435, 78.7412, 85.7492



12.6291, 13.2868, 14.4694

Same Dimension

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



18.0137, 8.7896, 23.3015



32.6620, 15.9414, 42.0298



14.4545, 7.3659, 4.5587



6.8639, 6.7385, 8.1344



14.8469, 7.2433, 19.2426



0.2755, 0.1335, 0.3968

Inverse Universe

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



18.0137, 8.7896, 23.3015



32.6620, 15.9414, 42.0298



14.1318, 24.6744, 15.7740



6.8639, 6.7385, 8.1344



14.8469, 7.2433, 19.2426



0.2755, 0.1335, 0.3968

Previews

White Background



This preview shows how the XYZ color 18.0134, 8.7892, 23.3013 looks on a white background.

Color Contrast Check

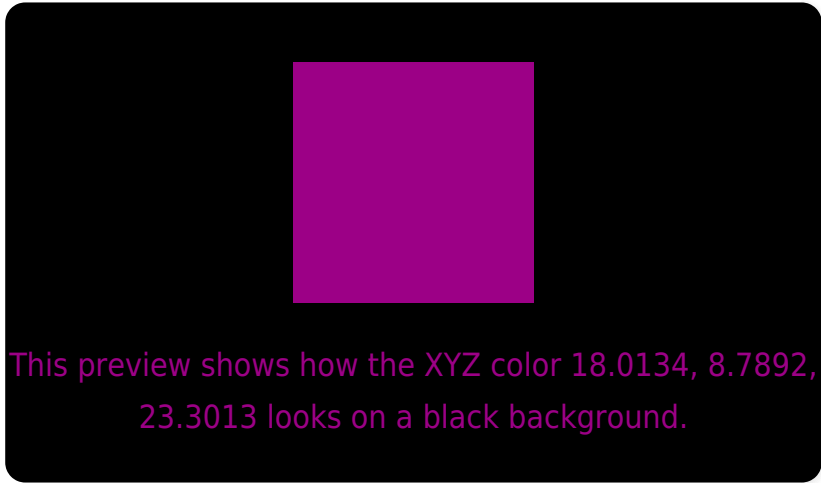
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

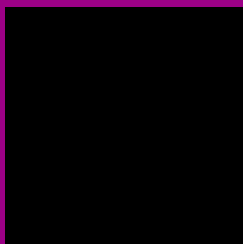
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 18.0134, 8.7892, 23.3013

Background



This preview shows how black text looks on a background with the XYZ color 18.0134, 8.7892, 23.3013.



This preview shows how white text looks on a background with the XYZ color 18.0134, 8.7892,

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

18.0134, 8.7892, 23.3013

Protanopia

11.0291, 9.3608, 42.8205

Deuteranopia

9.6922, 9.5015, 21.0618



Tritanopia

14.3813, 9.2213, 4.7633

Trichromacy



Original Color

18.0134, 8.7892, 23.3013



Protanomaly

9.3935, 5.9893, 34.3792



Deuteranomaly

10.8081, 7.1421, 21.5778



Tritanomaly

15.1212, 8.4595, 9.2234

Monochromacy



Original Color

18.0134, 8.7892, 23.3013



Achromatopsia

4.5787, 4.8172, 5.2459



Achromatomaly

7.3108, 4.6424, 9.7433

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.0134, 8.7892, 23.3013 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(156, 0, 134)` looks like.

```
.text, #text, p{  
    color:rgb(156, 0, 134)  
}
```

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(156, 0, 134) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 0, 134) }
```

Border

The CSS property to change the border of an element to XYZ 18.0134, 8.7892, 23.3013 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(156, 0, 134) }
```


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

```
.border{ border-color:rgb(156, 0, 134) }
```

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

Here you see how a box with a 4 pixel rgb(156, 0, 134) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 0, 134); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 0, 134);  
box-shadow:4px 4px 4px 4px rgb(156, 0,  
134) }
```

Background

The CSS property to change the background color of an element to XYZ 18.0134, 8.7892, 23.3013 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 0, 134) }
```

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

```
.background{ background-color: rgb(156, 0,  
134) }
```

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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