

Converting Colors

XYZ(18.1352, 10.3616, 33.2660)

Have a look what the booklet for
XYZ(18.1352, 10.3616, 33.2660)
contains.

XYZ(18.1274, 10.3253, 33.3853)	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(18.1274, 10.3253,
33.3853)**

Conversions

Conversions Part 1

Format	Color
Hex	8C329E
RGB	140, 50, 158
RGB Percent	55%, 20%, 62%
CMY	0.4510, 0.8039, 0.3804
CMYK	0.11, 0.68, 0.00, 0.38
HSL	290°, 52%, 41%
HSV	290°, 68%, 62%
XYZ	18.1274, 10.3253, 33.3853
YIQ	89.2220, 18.9720, 52.6680

Conversions

Conversions Part 2

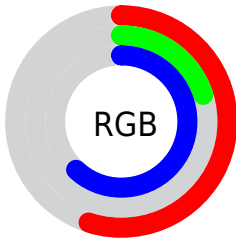
Format	Color
R _Y B	140, 50, 158
Decimal	9187998
CIE Lab	38.42, 53.24, -41.04
CIE LCh	38, 67.218, 322.375
Yxy	10.3253, 0.2931, 0.1670
Android (android.graphics.Color)	4287378078 (0xFF8C329E)
YUV	89.2220, 33.9076, 44.5323
Hunter-Lab	32.1330, 44.4656, -39.1076

Details

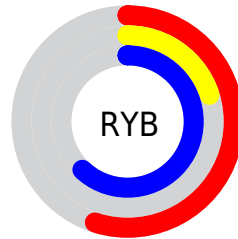
The XYZ color **18.1274, 10.3253, 33.3853** is a dark color, and the websafe version is hex **993399**. A complement of this color would be **15.1868, 25.9132, 7.2194**, and the grayscale version is **9.4694, 9.9626, 10.8493**.

A 20% lighter version of the original color is **39.7255, 26.4405, 65.9605**, and **6.4393, 3.0190, 13.8790** is the 20% darker color. If you saturate the color by 10%, you get **17.1265, 8.9739, 33.1774**, and if you desaturate by 10%, it is **19.3729, 12.1493, 33.6719**.

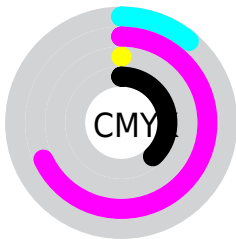
Distribution



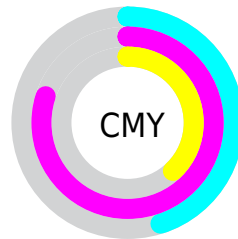
- Red (55%)
- Green (20%)
- Blue (62%)



- Red (55%)
- Yellow (20%)
- Blue (62%)



- Cyan (11%)
- Magenta (68%)
- Yellow (0%)
- Black (38%)



- Cyan (45%)
- Magenta (80%)
- Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.1274, 10.3253, 33.3853 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 18.1274, 10.3253, 33.3853 by changing the saturation by 10% instead.

■ 18.1274, 10.3253,
33.3853

■ 18.1274, 10.3253,
33.3853

234.6199,
192.9783, 332.0675

■ 11.1417, 5.6152,
22.1482

■ 39.7827, 26.4056,
66.0995

■ 6.2302, 2.6125,
13.7665

■ 55.1830, 38.5445,
88.4138

■ 3.0276, 0.9330,
7.8216

■ 74.1189, 53.9285,
115.2576

■ 1.1684, 0.0000,
3.8948

■ 96.9558, 72.9420,
147.0493

■ 0.0812, 0.0000,
1.5678

■ 124.0590, 95.9693,
184.2077

■ 0.0000, 0.0000,
0.2677

■ 155.7938,

■ 0.0000, 0.0000,

123.3949, 227.1511

0.0000

192.5256,
155.6031, 276.2982

■ 18.1274, 10.3253,
33.3853

■ 18.1274, 10.3253,
33.3853

■ 17.1265, 8.9739,
33.1774

■ 19.3729, 12.1493,
33.6719

■ 16.3436, 8.0434,
33.0390

■ 20.8834, 14.4878,
34.0436

■ 15.7315, 7.4389,
32.9546

■ 22.6786, 17.3795,
34.5072

■ 15.6354, 7.3474,
32.9420

■ 24.7758, 20.8593,
35.0683

■ 27.1909, 24.9588,
35.7323

■ 29.9389, 29.7076,
36.5041

■ 33.0335, 35.1334,
37.3883

■ 36.4878, 41.2621,
38.3892

■ 40.3142, 48.1183,
39.5109

Harmonies

Analogous

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



13.3886, 10.3253, 51.6559



18.1274, 10.3253, 33.3853



20.7761, 10.3253, 14.7629

Triad

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



18.1274, 10.3253, 33.3853



10.9764, 10.3253, 0.0000



3.8970, 10.3253, 23.1768

Complementary

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



18.1274, 10.3253, 33.3853



15.1868, 25.9132, 7.2194

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.



3.6019, 10.3253, 8.3316



18.1274, 10.3253, 33.3853



6.9399, 10.3253, 0.2855

Square

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



18.1274, 10.3253, 33.3853



15.9181, 10.3253, 0.9091



4.5336, 10.3253, 2.0025



5.5118, 10.3253, 43.2921

Rectangle

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



18.1274, 10.3253, 33.3853



20.5765, 10.3253, 6.8186



4.5336, 10.3253, 2.0025



3.6645, 10.3253, 17.2565

Sweetspot

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



18.1278, 10.3257, 33.3855



47.9742, 42.9255, 64.5004



9.5545, 7.2815, 33.2498



10.5575, 9.2387, 14.4705



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444

Same Dimension

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



18.1278, 10.3257, 33.3855



30.3089, 15.3205, 60.1031



18.7543, 10.9558, 19.5391



6.7956, 6.6986, 8.3415



12.5506, 5.8991, 26.3844



0.2507, 0.1190, 0.4730

Inverse Universe

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



16.2848, 9.9680, 6.5350



27.2397, 14.9214, 6.5074



15.2223, 25.8040, 12.9830



6.6759, 6.6633, 7.1446



11.4559, 5.8869, 1.3857



0.2159, 0.1097, 0.0830

Previews

White Background



This preview shows how the XYZ color 18.1274, 10.3253, 33.3853 looks on a white background.

Color Contrast Check

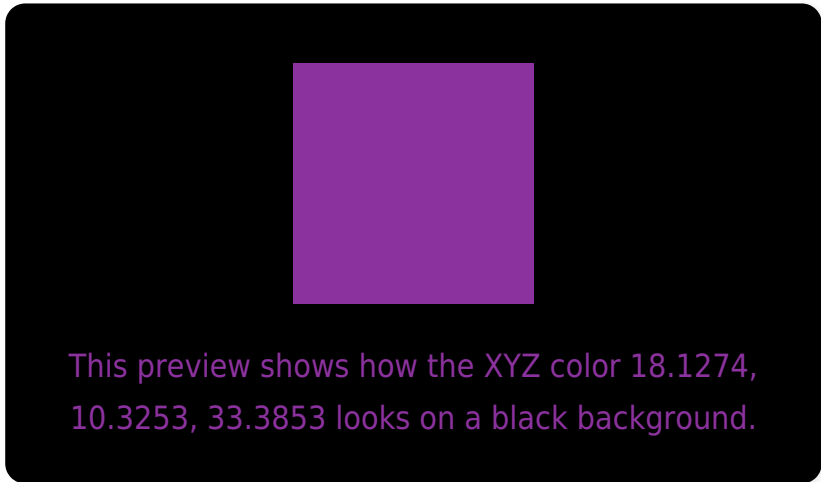
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

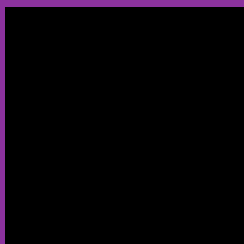
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 18.1274, 10.3253, 33.3853

Background



This preview shows how black text looks on a background with the XYZ color 18.1274, 10.3253, 33.3853.



This preview shows how white text looks on a background with the XYZ color 18.1274, 10.3253,

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

18.1274, 10.3253, 33.3853

Protanopia

12.4594, 10.5673, 48.3967

Deuteranopia

10.8292, 10.6187, 30.7570



Tritanopia

13.2072, 10.3721, 9.0905

Trichromacy



Original Color

18.1274, 10.3253, 33.3853



Protanomaly

11.6505, 8.7360, 42.1465



Deuteranomaly

12.1428, 9.5257, 31.7705



Tritanomaly

14.5400, 10.0689, 15.6451

Monochromacy



Original Color

18.1274, 10.3253, 33.3853



Achromatopsia

9.4954, 9.9899, 10.8790



Achromatomaly

11.7377, 9.4352, 17.1221

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.1274, 10.3253, 33.3853 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(140, 50, 158)` looks like.

```
.text, #text, p{  
    color:rgb(140, 50, 158)  
}
```

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(140, 50, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(140, 50, 158) }
```

Border

The CSS property to change the border of an element to XYZ 18.1274, 10.3253, 33.3853 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(140, 50, 158) }
```


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

```
.border{ border-color:rgb(140, 50, 158) }
```

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

Here you see how a box with a 4 pixel `rgb(140, 50, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(140, 50, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(140, 50, 158);  
box-shadow:4px 4px 4px 4px rgb(140, 50,  
158) }
```

Background

The CSS property to change the background color of an element to XYZ 18.1274, 10.3253, 33.3853 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(140, 50, 158) }
```

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

```
.background{ background-color: rgb(140, 50,  
158) }
```

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