

Converting Colors

XYZ(18.4838, 9.5379, 38.3277)

Have a look what the booklet for
XYZ(18.4838, 9.5379, 38.3277)
contains.

XYZ(18.5487, 9.5841, 38.4084)	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(18.5487, 9.5841,
38.4084)**

Conversions

Conversions Part 1

Format	Color
Hex	8C22A9
RGB	140, 34, 169
RGB Percent	55%, 13%, 66%
CMY	0.4510, 0.8667, 0.3373
CMYK	0.17, 0.80, 0.00, 0.34
HSL	287°, 66%, 40%
HSV	287°, 80%, 66%
XYZ	18.5487, 9.5841, 38.4084
YIQ	81.0840, 19.8410, 64.4570

Conversions

Conversions Part 2

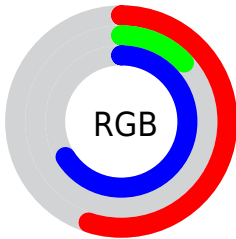
Format	Color
R _Y B	140, 34, 169
Decimal	9183913
CIE Lab	37.09, 61.20, -49.79
CIE LCh	37, 78.897, 320.873
Yxy	9.5841, 0.2788, 0.1440
Android (android.graphics.Color)	4287373993 (0xFF8C22A9)
YUV	81.0840, 43.3426, 51.6693
Hunter-Lab	30.9582, 52.7720, -51.8876

Details

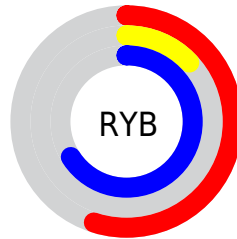
The XYZ color **18.5487, 9.5841, 38.4084** is a dark color, and the websafe version is hex **990099**. A complement of this color would be **16.5269, 29.5484, 6.3461**, and the grayscale version is **7.7526, 8.1564, 8.8823**.

A 20% lighter version of the original color is **40.4437, 24.9609, 73.9205**, and **6.8987, 3.1922, 16.7756** is the 20% darker color. If you saturate the color by 10%, you get **17.5773, 8.5341, 38.2571**, and if you desaturate by 10%, it is **19.7786, 11.1201, 38.6402**.

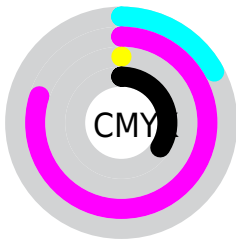
Distribution



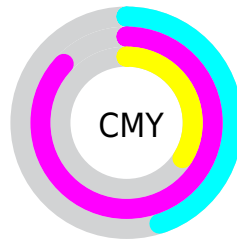
- Red (55%)
- Green (13%)
- Blue (66%)



- Red (55%)
- Yellow (13%)
- Blue (66%)



- Cyan (17%)
- Magenta (80%)
- Yellow (0%)
- Black (34%)




- Cyan (45%)
- Magenta (87%)
- Yellow (34%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 18.5487, 9.5841, 38.4084 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 18.5487, 9.5841, 38.4084 by changing the saturation by 10% instead.

 18.5487, 9.5841,
38.4084


 18.5487, 9.5841,
38.4084


236.9321,
187.6774, 354.7192


 11.4467, 5.1241,
25.9955


 40.4929, 25.0102,
73.9440


 6.4376, 2.3203,
16.5946


 56.0658, 36.7452,
97.9039


 3.1561, 0.7844,
9.7870


 75.1931, 51.6738,
126.5498

 1.2369, 0.0000,
5.1542

 98.2400, 70.1807,
160.3003

 0.1352, 0.0000,
2.2777

 125.5721, 92.6501,
199.5740

 0.0000, 0.0000,
0.7187

 157.5545,

 0.0000, 0.0000,

119.4664, 244.7893

0.0000

194.5528,
151.0140, 296.3649

■ 18.5487, 9.5841,
38.4084

■ 18.5487, 9.5841,
38.4084

■ 17.5773, 8.5341,
38.2571

■ 19.7786, 11.1201,
38.6402

■ 16.7957, 7.8345,
38.1633

■ 21.2965, 13.2025,
38.9622

■ 16.7866, 7.8265,
38.1622

■ 23.1293, 15.8842,
39.3832

■ 25.3002, 19.2112,
39.9109

■ 27.8302, 23.2252,
40.5524

■ 30.7383, 27.9643,
41.3138

■ 34.0425, 33.4638,
42.2012

■ 37.7592, 39.7566,
43.2199

■ 41.9041, 46.8736,
44.3752

Harmonies

Analogous

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



12.8960, 9.5841, 61.4131



18.5487, 9.5841, 38.4084



21.9397, 9.5841, 15.3283

Triad

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



18.5487, 9.5841, 38.4084



10.6874, 9.5841, 0.0000



2.8369, 9.5841, 23.3059

Complementary

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



18.5487, 9.5841, 38.4084



16.5269, 29.5484, 6.3461

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.



2.6137, 9.5841, 6.7133



18.5487, 9.5841, 38.4084



6.1477, 9.5841, 0.0000

Square

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



18.5487, 9.5841, 38.4084



16.4433, 9.5841, 0.1913



3.5805, 9.5841, 0.9897



4.3631, 9.5841, 48.4894

Rectangle

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



18.5487, 9.5841, 38.4084



21.8502, 9.5841, 6.1279



3.5805, 9.5841, 0.9897



2.6354, 9.5841, 16.3984

Sweetspot

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



18.5491, 9.5845, 38.4086



52.5945, 46.0553, 73.3426



9.6129, 6.7879, 38.3398



11.0821, 9.4188, 15.8861



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



18.5491, 9.5845, 38.4086



30.3935, 14.3282, 68.3888



21.0143, 11.2113, 22.4409



7.6819, 7.5841, 9.4773



12.5571, 5.8568, 28.4441



0.3439, 0.1623, 0.6938

Inverse Universe

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



17.8317, 9.9383, 5.6815



30.0647, 15.5634, 4.9089



16.0258, 29.1874, 10.9634



7.5946, 7.5677, 8.1825



12.4523, 6.3896, 1.9272



0.3207, 0.1626, 0.1403

Previews

White Background



This preview shows how the XYZ color 18.5487, 9.5841, 38.4084 looks on a white background.

Color Contrast Check

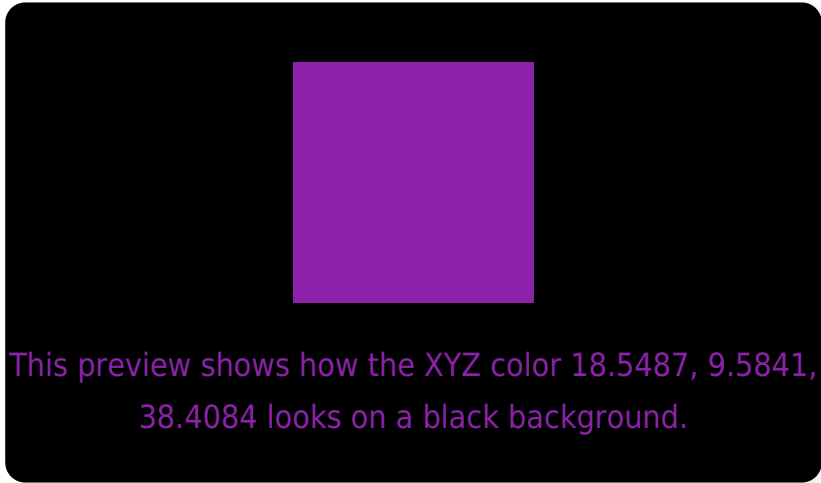
Large Text (above 18pt) WCAG AA ✓ Pass

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

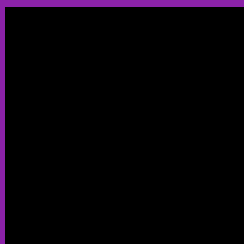
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 18.5487, 9.5841, 38.4084

Background



This preview shows how black text looks on a background with the XYZ color 18.5487, 9.5841, 38.4084.



This preview shows how white text looks on a background with the XYZ color 18.5487, 9.5841,

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

18.5487, 9.5841, 38.4084

Protanopia

11.4867, 9.7923, 44.4647

Deuteranopia

9.9142, 9.8155, 34.1729



Tritanopia

12.4093, 9.6826, 8.2361

Trichromacy



Original Color

18.5487, 9.5841, 38.4084

Protanomaly

11.1499, 7.7348, 41.9796

Deuteranomaly

10.1663, 7.7285, 35.6063

Tritanomaly

13.8432, 9.0574, 15.7705

Monochromacy



Original Color

18.5487, 9.5841, 38.4084

Achromatopsia

7.8210, 8.2283, 8.9606

Achromatomaly

10.2935, 7.6838, 16.5634

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.5487, 9.5841, 38.4084 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, 34, 169)` looks like.

```
.text, #text, p{  
    color:rgb(140, 34, 169)  
}
```

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, 34, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(140, 34, 169) }
```

Border

The CSS property to change the border of an element to XYZ 18.5487, 9.5841, 38.4084 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, 34, 169) }
```


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

```
.border{ border-color:rgb(140, 34, 169) }
```

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

Here you see how a box with a 4 pixel `rgb(140, 34, 169)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(140, 34, 169); -webkit-box-  
shadow:4px 4px 4px 4px rgb(140, 34, 169);  
box-shadow:4px 4px 4px 4px rgb(140, 34,  
169) }
```

Background

The CSS property to change the background color of an element to XYZ 18.5487, 9.5841, 38.4084 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(140, 34, 169) }
```

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

```
.background{ background-color: rgb(140, 34,  
169) }
```

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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