

Converting Colors

XYZ(18.8180, 11.7496, 32.1481)

Have a look what the booklet for
XYZ(18.8180, 11.7496, 32.1481)
contains.

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Color

**XYZ(18.9051, 11.7841,
32.2885)**

Conversions

Conversions Part 1

Format	Color
Hex	8E409B
RGB	142, 64, 155
RGB Percent	56%, 25%, 61%
CMY	0.4431, 0.7490, 0.3922
CMYK	0.08, 0.59, 0.00, 0.39
HSL	291°, 42%, 43%
HSV	291°, 59%, 61%
XYZ	18.9051, 11.7841, 32.2885
YIQ	97.6960, 17.2770, 44.8370

Conversions

Conversions Part 2

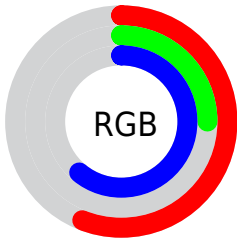
Format	Color
R_{YB}	142, 64, 155
Decimal	9322651
CIE _{Lab}	40.87, 46.73, -35.32
CIE _{LCh}	41, 58.577, 322.921
Yxy	11.7841, 0.3002, 0.1871
Android (android.graphics.Color)	4287512731 (0xFF8E409B)
YUV	97.6960, 28.2509, 38.8546
Hunter-Lab	34.3280, 38.2295, -31.7379

Details

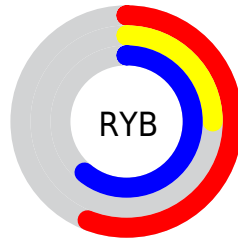
The XYZ color **18.9051, 11.7841, 32.2885** is a dark color, and the websafe version is hex **993399**. A complement of this color would be **15.7077, 25.3909, 8.9240**, and the grayscale version is **11.4636, 12.0606, 13.1340**.

A 20% lighter version of the original color is **41.1670, 29.1497, 64.4295**, and **6.6223, 3.2117, 13.1028** is the 20% darker color. If you saturate the color by 10%, you get **17.7734, 10.0788, 32.0192**, and if you desaturate by 10%, it is **20.2881, 13.9801, 32.6397**.

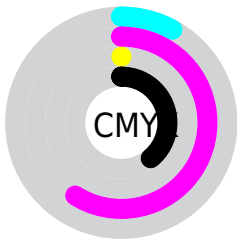
Distribution



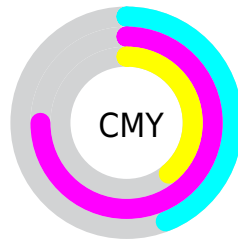
- Red (56%)
- Green (25%)
- Blue (61%)



- Red (56%)
- Yellow (25%)
- Blue (61%)



- Cyan (8%)
- Magenta (59%)
- Yellow (0%)
- Black (39%)



- Cyan (44%)
- Magenta (75%)
- Yellow (39%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.9051, 11.7841, 32.2885 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 18.9051, 11.7841, 32.2885 by changing the saturation by 10% instead.

■ 18.9051, 11.7841,
32.2885

■ 18.9051, 11.7841,
32.2885

238.8725,
202.9707, 326.9645

■ 11.7053, 6.5968,
21.3153

■ 41.0918, 29.1013,
64.3662

■ 6.6141, 3.2113,
13.1612

■ 56.8094, 42.0000,
86.3079

■ 3.2661, 1.2430,
7.4076

■ 76.0970, 58.2380,
112.7428

■ 1.2960, 0.0964,
3.6360

■ 99.3200, 78.1996,
144.0894

■ 0.1802, 0.0000,
1.4279

■ 126.8437,
102.2693, 180.7664

■ 0.0000, 0.0000,
0.1633

159.0334,

■ 0.0000, 0.0000,

130.8314, 223.1922

0.0000

196.2546,
164.2704, 271.7854

■ 18.9051, 11.7841,
32.2885

■ 18.9051, 11.7841,
32.2885

■ 17.7734, 10.0788,
32.0192

■ 20.2881, 13.9801,
32.6397

■ 16.8711, 8.8214,
31.8240

■ 21.9395, 16.7020,
33.0780

■ 16.1742, 7.9639,
31.6952

■ 23.8764, 19.9835,
33.6093

■ 15.6339, 7.4084,
31.6165

■ 26.1139, 23.8549,
34.2386

■ 15.5669, 7.3416,
31.6071

■ 28.6662, 28.3444,
34.9707

■ 31.5466, 33.4786,
35.8099

■ 34.7675, 39.2822,
36.7603

■ 38.3407, 45.7787,
37.8259

■ 42.2774, 52.9906,
39.0105

Harmonies

Analogous

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



14.6276, 11.7841, 47.8019



18.9051, 11.7841, 32.2885



21.2075, 11.7841, 15.8786

Triad

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



18.9051, 11.7841, 32.2885



12.2194, 11.7841, 0.8625



5.3133, 11.7841, 24.0319

Complementary

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



18.9051, 11.7841, 32.2885



15.7077, 25.3909, 8.9240

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.



4.9725, 11.7841, 10.2004



18.9051, 11.7841, 32.2885



8.3553, 11.7841, 1.1674

Square

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



18.9051, 11.7841, 32.2885



16.7724, 11.7841, 1.8397



5.9382, 11.7841, 3.3607



7.0234, 11.7841, 41.3096

Rectangle

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



18.9051, 11.7841, 32.2885



20.9907, 11.7841, 8.3453



5.9382, 11.7841, 3.3607



5.0556, 11.7841, 18.6902

Sweetspot

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



18.9055, 11.7846, 32.2888



46.9202, 42.9888, 61.3610



10.7308, 8.8562, 32.1544



10.3580, 9.2735, 13.8144



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.



18.9055, 11.7846, 32.2888



31.3622, 17.3765, 57.2373



18.9359, 12.0696, 20.1202



6.3745, 6.2789, 7.8050



12.5277, 5.9093, 25.3880



0.2081, 0.0991, 0.3805

Inverse Universe

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



16.6909, 11.1716, 8.2982



27.3168, 16.3452, 9.4173



15.9405, 25.3747, 15.0883



6.2430, 6.2363, 6.6596



10.9840, 5.6478, 1.1747



0.1723, 0.0877, 0.0601

Previews

White Background



This preview shows how the XYZ color 18.9051, 11.7841, 32.2885 looks on a white background.

Color Contrast Check

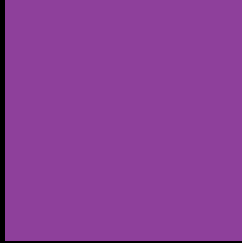
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.9051, 11.7841, 32.2885 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

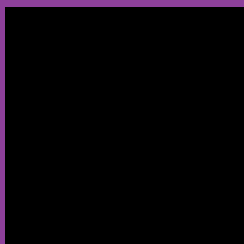
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 18.9051, 11.7841, 32.2885

Background



This preview shows how black text looks on a background with the XYZ color 18.9051, 11.7841, 32.2885.



This preview shows how white text looks on a background with the XYZ color 18.9051, 11.7841,

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

18.9051, 11.7841, 32.2885

Protanopia

13.7689, 12.0527, 46.4004

Deuteranopia

12.2980, 12.0589, 30.1132



Tritanopia

14.4516, 11.7257, 10.7341

Trichromacy



Original Color

18.9051, 11.7841, 32.2885

Protanomaly

14.1158, 10.9975, 40.9139

Deuteranomaly

13.7642, 11.2728, 30.7286

Tritanomaly

15.5940, 11.4362, 16.7148

Monochromacy



Original Color

18.9051, 11.7841, 32.2885

Achromatopsia

11.6093, 12.2139, 13.3009

Achromatomaly

13.5970, 11.5649, 18.9684

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.9051, 11.7841, 32.2885 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(142, 64, 155)` looks like.

```
.text, #text, p{  
    color:rgb(142, 64, 155)  
}
```

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(142, 64, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(142, 64, 155) }
```

Border

The CSS property to change the border of an element to XYZ 18.9051, 11.7841, 32.2885 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(142, 64, 155) }
```


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

```
.border{ border-color:rgb(142, 64, 155) }
```

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

Here you see how a box with a 4 pixel `rgb(142, 64, 155)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(142, 64, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(142, 64, 155);  
box-shadow:4px 4px 4px 4px rgb(142, 64,  
155) }
```

Background

The CSS property to change the background color of an element to XYZ 18.9051, 11.7841, 32.2885 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(142, 64, 155) }
```

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

```
.background{ background-color: rgb(142, 64,  
155) }
```

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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