

Converting Colors

XYZ(20.3443, 9.3656, 51.6567)

Have a look what the booklet for
XYZ(20.3443, 9.3656, 51.6567)
contains.

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Color

**XYZ(20.3851, 9.3840,
51.7758)**

Conversions

Conversions Part 1

Format	Color
Hex	8B00C2
RGB	139, 0, 194
RGB Percent	55%, 0%, 76%
CMY	0.4549, 1.0000, 0.2392
CMYK	0.28, 1.00, 0.00, 0.24
HSL	283°, 100%, 38%
HSV	283°, 100%, 76%
XYZ	20.3851, 9.3840, 51.7758
YIQ	63.6770, 20.5700, 89.8020

Conversions

Conversions Part 2

Format	Color
R_{YB}	139, 0, 194
Decimal	9109698
CIE _{Lab}	36.71, 72.08, -65.22
CIE _{LCh}	37, 97.207, 317.860
Yxy	9.3840, 0.2500, 0.1151
Android (android.graphics.Color)	4287299778 (0xFF8B00C2)
YUV	63.6770, 64.2492, 66.0583
Hunter-Lab	30.6333, 65.1755, -78.7674

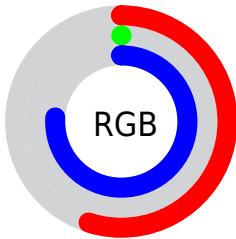
Details

The XYZ color **20.3851, 9.3840, 51.7758** is a dark color, and the websafe version is hex **9900CC**.

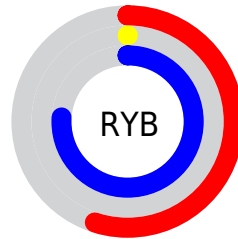
The color can be described as dark washed purple. A complement of this color would be **20.8674, 39.3959, 6.5044**, and the grayscale version is **4.7309, 4.9772, 5.4202**.

A 20% lighter version of the original color is **43.6554, 24.6260, 94.5479**, and **8.0535, 3.6134, 24.6991** is the 20% darker color. If you saturate the color by 10%, you get **20.3855, 9.3842, 51.7760**, and if you desaturate by 10%, it is **21.5670, 10.3492, 51.9000**.

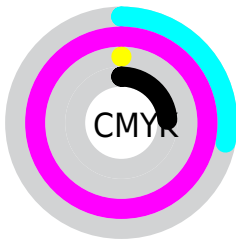
Distribution



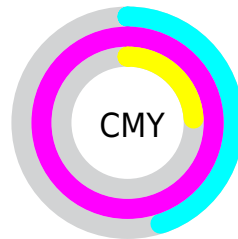
- Red (55%)
- Green (0%)
- Blue (76%)



- Red (55%)
- Yellow (0%)
- Blue (76%)



- Cyan (28%)
- Magenta (100%)
- Yellow (0%)
- Black (24%)





- Cyan (45%)
- Magenta (100%)
- Yellow (24%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 20.3851, 9.3840, 51.7758 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 20.3851, 9.3840, 51.7758 by changing the saturation by 10% instead.


 20.3851, 9.3840,
51.7758


 20.3851, 9.3840,
51.7758


246.7864,
186.2172, 410.5028


 12.7852, 4.9925,
36.4454


 43.5609, 24.6302,
94.2237


 7.3568, 2.2429,
24.4860


 59.8675, 36.2538,
122.1783


 3.7345, 0.7432,
15.4790


 79.8071, 51.0567,
155.1780

 1.5531, 0.0000,
9.0059

 103.7449, 69.4235,
193.6415

 0.3615, 0.0000,
4.6482

 132.0464, 91.7386,
237.9871

 0.0000, 0.0000,
1.9872

 165.0769,

 0.0000, 0.0000,

118.3863, 288.6335

0.5474

203.2018,
149.7511, 345.9992

■ 0.0000, 0.0000,
0.0000

■ 20.3851, 9.3840,
51.7758

■ 20.3851, 9.3840,
51.7758

■ 20.3855, 9.3842,
51.7760

■ 21.5670, 10.3492,
51.9000

■ 23.0348, 11.8174,
52.1060

■ 24.8751, 13.9600,
52.4226

■ 27.1323, 16.8648,
52.8643

■ 29.8439, 20.6063,
53.4436

■ 33.0432, 25.2498,
54.1712

■ 36.7600, 30.8540,
55.0571

■ 41.0215, 37.4728,
56.1100

■ 45.8532, 45.1558,
57.3383

Harmonies

Analogous

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



12.9108, 9.3840, 83.9693



20.3851, 9.3840, 51.7758



25.4442, 9.3840, 18.7796

Triad

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



20.3851, 9.3840, 51.7758



11.5498, 9.3840, 0.0000



1.8580, 9.3840, 23.9310

Complementary

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



20.3851, 9.3840, 51.7758



20.8674, 39.3959, 6.5044

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.



1.7560, 9.3840, 4.7573



20.3851, 9.3840, 51.7758



5.8489, 9.3840, 0.0000

Square

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



20.3851, 9.3840, 51.7758



19.0156, 9.3840, 0.0000



2.8389, 9.3840, 0.0000



3.2323, 9.3840, 58.9042

Rectangle

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



20.3851, 9.3840, 51.7758



25.7440, 9.3840, 6.3581



2.8389, 9.3840, 0.0000



1.7062, 9.3840, 15.3885

Sweetspot

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



20.3856, 9.3843, 51.7760



66.2564, 55.3742, 99.6660



11.2609, 6.9416, 51.7855



13.8537, 11.1300, 21.6681



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



20.3856, 9.3843, 51.7760



36.6704, 16.8663, 93.7926



28.1815, 13.8427, 32.2854



10.2100, 10.0994, 12.6961



13.4864, 6.2129, 34.0450



0.6474, 0.3018, 1.4740

Inverse Universe

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



22.9378, 11.7453, 4.6725



41.4637, 21.2418, 7.9720



19.6548, 38.7289, 8.3418



10.1880, 10.1238, 11.0804



15.1117, 7.7344, 3.2343



0.6835, 0.3464, 0.3007

Previews

White Background



This preview shows how the XYZ color 20.3851, 9.3840, 51.7758 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

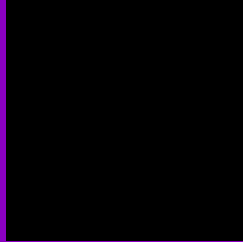
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 20.3851, 9.3840, 51.7758

Background



This preview shows how black text looks on a background with the XYZ color 20.3851, 9.3840, 51.7758.



This preview shows how white text looks on a background with the XYZ color 20.3851, 9.3840,

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

20.3851, 9.3840, 51.7758

Protanopia

11.5660, 9.9509, 44.4911

Deuteranopia

9.8269, 9.9165, 33.2944



Tritanopia

11.8532, 9.7711, 9.2439

Trichromacy



Original Color

20.3851, 9.3840, 51.7758



Protanomaly

11.4884, 6.9390, 46.6328



Deuteranomaly

10.1340, 6.6322, 38.7762



Tritanomaly

13.3845, 8.0560, 19.5884

Monochromacy



Original Color

20.3851, 9.3840, 51.7758



Achromatopsia

4.8732, 5.1269, 5.5832



Achromatomaly

7.9766, 4.9577, 15.5754

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.3851, 9.3840, 51.7758 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(139, 0, 194)` looks like.

```
.text, #text, p{  
    color:rgb(139, 0, 194)  
}
```

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(139, 0, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(139, 0, 194) }
```

Border

The CSS property to change the border of an element to XYZ 20.3851, 9.3840, 51.7758 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(139, 0, 194) }
```


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

```
.border{ border-color:rgb(139, 0, 194) }
```

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

Here you see how a box with a 4 pixel rgb(139, 0, 194) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(139, 0, 194); -webkit-box-  
shadow:4px 4px 4px 4px rgb(139, 0, 194);  
box-shadow:4px 4px 4px 4px rgb(139, 0,  
194) }
```

Background

The CSS property to change the background color of an element to XYZ 20.3851, 9.3840, 51.7758 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(139, 0, 194) }
```

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

```
.background{ background-color: rgb(139, 0,  
194) }
```

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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