

Converting Colors

XYZ(20.0429, 9.4850, 39.2276)

Have a look what the booklet for
XYZ(20.0429, 9.4850, 39.2276)
contains.

XYZ(20.1132, 9.5196, 39.3055)	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(20.1132, 9.5196,
39.3055)**

Conversions

Conversions Part 1

Format	Color
Hex	9700AB
RGB	151, 0, 171
RGB Percent	59%, 0%, 67%
CMY	0.4078, 1.0000, 0.3294
CMYK	0.12, 1.00, 0.00, 0.33
HSL	293°, 100%, 34%
HSV	293°, 100%, 67%
XYZ	20.1132, 9.5196, 39.3055
YIQ	64.6430, 35.1050, 85.1930

Conversions

Conversions Part 2

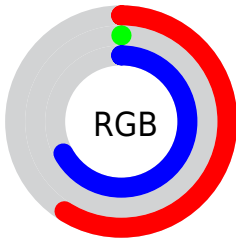
Format	Color
R_{YB}	151, 0, 171
Decimal	9896107
CIE _{Lab}	36.97, 69.65, -51.09
CIE _{LCh}	37, 86.379, 323.743
Yxy	9.5196, 0.2918, 0.1381
Android (android.graphics.Color)	4288086187 (0xFF9700AB)
YUV	64.6430, 52.4340, 75.7351
Hunter-Lab	30.8538, 62.3675, -53.9333

Details

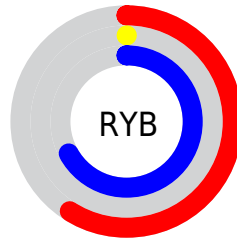
The XYZ color **20.1132, 9.5196, 39.3055** is a dark color, and the websafe version is hex **990099**. A complement of this color would be **14.8518, 29.2748, 4.8682**, and the grayscale version is **4.8908, 5.1455, 5.6035**.

A 20% lighter version of the original color is **43.0283, 24.8387, 75.1995**, and **7.9893, 3.7409, 17.4405** is the 20% darker color. If you saturate the color by 10%, you get **20.1132, 9.5196, 39.3056**, and if you desaturate by 10%, it is **20.6901, 10.1171, 39.3906**.

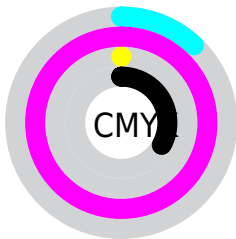
Distribution



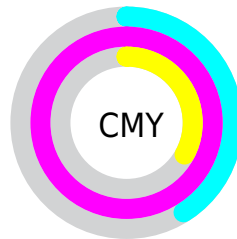
- Red (59%)
- Green (0%)
- Blue (67%)



- Red (59%)
- Yellow (0%)
- Blue (67%)



- Cyan (12%)
- Magenta (100%)
- Yellow (0%)
- Black (33%)



- Cyan (41%)
- Magenta (100%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.1132, 9.5196, 39.3055 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 20.1132, 9.5196, 39.3055 by changing the saturation by 10% instead.

■ 20.1132, 9.5196,
39.3055

■ 20.1132, 9.5196,
39.3055

245.3492,
187.2082, 358.6523

■ 12.5861, 5.0816,
26.6878

■ 43.1094, 24.8879,
75.3303

■ 7.2192, 2.2952,
17.1085

■ 59.3092, 36.5870,
99.5744

■ 3.6471, 0.7712,
10.1491

■ 79.1306, 51.4753,
128.5311

■ 1.5045, 0.0000,
5.3911

■ 102.9390, 69.9372,
162.6190

■ 0.3289, 0.0000,
2.4158

■ 131.0996, 92.3570,
202.2565

■ 0.0000, 0.0000,
0.7950

■ 163.9780,

■ 0.0000, 0.0000,

119.1192, 247.8622

0.0000

201.9394,
150.6081, 299.8546

■ 20.1132, 9.5196,
39.3055

■ 20.1132, 9.5196,
39.3055

■ 20.1132, 9.5196,
39.3056

■ 20.6901, 10.1171,
39.3906

■ 21.4467, 11.0652,
39.5337

■ 22.4532, 12.5036,
39.7583

■ 23.7413, 14.4957,
40.0749

■ 25.3380, 17.0955,
40.4926

■ 27.2671, 20.3505,
41.0192

■ 29.5500, 24.3036,
41.6619

■ 32.2064, 28.9940,
42.4272

■ 35.2544, 34.4578,
43.3212

Harmonies

Analogous

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



13.8451, 9.5196, 67.3271



20.1132, 9.5196, 39.3055



23.5779, 9.5196, 13.9127

Triad

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



20.1132, 9.5196, 39.3055



10.2142, 9.5196, 0.0000



2.5272, 9.5196, 27.2906

Complementary

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



20.1132, 9.5196, 39.3055



14.8518, 29.2748, 4.8682

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.



2.1974, 9.5196, 7.4787



20.1132, 9.5196, 39.3055



5.5109, 9.5196, 0.0000

Square

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



20.1132, 9.5196, 39.3055



16.5824, 9.5196, 0.0000



3.0363, 9.5196, 0.8844



4.2320, 9.5196, 56.7724

Rectangle

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



20.1132, 9.5196, 39.3055



23.1398, 9.5196, 4.8303



3.0363, 9.5196, 0.8844



2.2893, 9.5196, 19.0405

Sweetspot

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



20.1136, 9.5200, 39.3057



52.6860, 43.1129, 74.5467



7.6535, 3.5457, 38.8093



11.3615, 8.9396, 16.5144



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



20.1136, 9.5200, 39.3057



35.9043, 16.9886, 70.3886



19.5178, 9.7474, 15.1253



8.2435, 8.0998, 10.0816



15.1911, 7.1912, 29.6319



0.4481, 0.2132, 0.8255

Inverse Universe

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



16.9212, 8.7088, 1.4514



30.2641, 15.5803, 2.3864



15.4522, 29.4817, 9.5360



8.0419, 8.0300, 8.5316



12.7666, 6.5692, 1.1502



0.3669, 0.1875, 0.0939

Previews

White Background



This preview shows how the XYZ color 20.1132, 9.5196, 39.3055 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

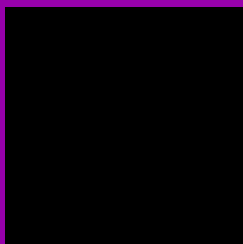
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 20.1132, 9.5196, 39.3055

Background



This preview shows how black text looks on a background with the XYZ color 20.1132, 9.5196, 39.3055.



This preview shows how white text looks on a background with the XYZ color 20.1132, 9.5196,

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

20.1132, 9.5196, 39.3055

Protanopia

11.9554, 10.2353, 46.1452

Deuteranopia

10.3878, 10.1655, 35.1329



Tritanopia

13.6581, 9.8855, 7.3191

Trichromacy



Original Color

20.1132, 9.5196, 39.3055



Protanomaly

11.0784, 6.7993, 43.3763



Deuteranomaly

10.4846, 6.8665, 36.3701



Tritanomaly

14.8983, 8.6501, 15.0718

Monochromacy



Original Color

20.1132, 9.5196, 39.3055



Achromatopsia

5.0244, 5.2861, 5.7565



Achromatomaly

8.1155, 5.0721, 13.6480

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.1132, 9.5196, 39.3055 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(151, 0, 171)` looks like.

```
.text, #text, p{  
    color:rgb(151, 0, 171)  
}
```

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(151, 0, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 0, 171) }
```

Border

The CSS property to change the border of an element to XYZ 20.1132, 9.5196, 39.3055 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(151, 0, 171) }
```


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

```
.border{ border-color:rgb(151, 0, 171) }
```

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

Here you see how a box with a 4 pixel rgb(151, 0, 171) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(151, 0, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(151, 0, 171);  
box-shadow:4px 4px 4px 4px rgb(151, 0,  
171) }
```

Background

The CSS property to change the background color of an element to XYZ 20.1132, 9.5196, 39.3055 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(151, 0, 171) }
```

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

```
.background{ background-color: rgb(151, 0,  
171) }
```

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