

Converting Colors

XYZ(18.6216, 11.2945, 8.2818)

Have a look what the booklet for
XYZ(18.6216, 11.2945, 8.2818)
contains.

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Color

**XYZ(18.5039, 11.2073,
8.2091)**

Conversions

Conversions Part 1

Format	Color
Hex	A7344D
RGB	167, 52, 77
RGB Percent	65%, 20%, 30%
CMY	0.3451, 0.7960, 0.6980
CMYK	0.00, 0.69, 0.54, 0.35
HSL	347°, 53%, 43%
HSV	347°, 69%, 65%
XYZ	18.5039, 11.2073, 8.2091
YIQ	89.2350, 60.5150, 32.1550

Conversions

Conversions Part 2

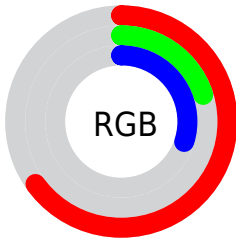
Format	Color
R_{YB}	167, 52, 77
Decimal	10957901
CIE _{Lab}	39.93, 48.72, 11.94
CIE _{LCh}	40, 50.161, 13.766
Yxy	11.2073, 0.4880, 0.2955
Android (android.graphics.Color)	4289147981 (0xFFA7344D)
YUV	89.2350, -6.0319, 68.1999
Hunter-Lab	33.4773, 40.0770, 8.8954

Details

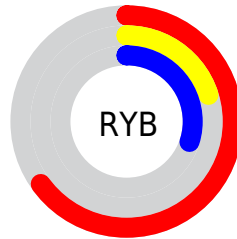
The XYZ color **18.5039, 11.2073, 8.2091** is a dark color, and the websafe version is hex **990033**. A complement of this color would be **20.1182, 30.3208, 30.3861**, and the grayscale version is **9.5517, 10.0492, 10.9435**.

A 20% lighter version of the original color is **40.5985, 28.1453, 23.0315**, and **6.5812, 3.3610, 1.7407** is the 20% darker color. If you saturate the color by 10%, you get **17.4698, 9.8051, 5.8118**, and if you desaturate by 10%, it is **19.8949, 13.1752, 11.1831**.

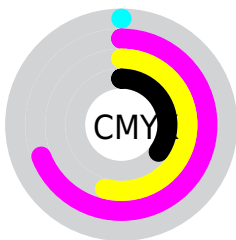
Distribution



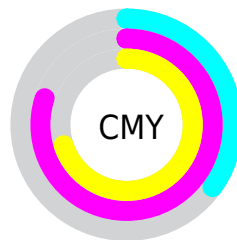
- Red (65%)
- Green (20%)
- Blue (30%)



- Red (65%)
- Yellow (20%)
- Blue (30%)



- Cyan (0%)
- Magenta (69%)
- Yellow (54%)
- Black (35%)





- Cyan (35%)
- Magenta (80%)
- Yellow (70%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 18.5039, 11.2073, 8.2091 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 18.5039, 11.2073, 8.2091 by changing the saturation by 10% instead.


 18.5039, 11.2073,
8.2091


 18.5039, 11.2073,
8.2091


236.6872,
199.0843, 187.3584


 11.4142, 6.2064,
4.1394


 40.4175, 28.0429,
22.9203


 6.4155, 2.9710,
1.7021


 55.9721, 40.6464,
34.3987


 3.1424, 1.1166,
0.3622

 75.0791, 56.5529,
49.1839

 1.2295, 0.0000,
0.0000

 98.1039, 76.1468,
67.6942

 0.1295, 0.0000,
0.0000

 125.4117, 99.8125,
90.3483

 0.0000, 0.0000,
0.0000

 157.3679,

127.9344, 117.5647

194.3380,
160.8968, 149.7619

■ 18.5039, 11.2073,
8.2091

■ 18.5039, 11.2073,
8.2091

■ 17.4698, 9.8051,
5.8118

■ 19.8949, 13.1752,
11.1831

■ 16.7570, 8.9058,
3.9516

■ 21.6722, 15.7589,
14.7686

■ 16.3035, 8.3955,
2.5771

■ 23.8629, 19.0052,
18.9982

■ 16.2593, 8.3447,
2.4466

■ 26.4914, 22.9558,
23.9018

■ 29.5802, 27.6489,
29.5077

■ 33.1501, 33.1200,
35.8422

■ 37.2209, 39.4024,
42.9306

■ 41.8110, 46.5273,
50.7966

■ 46.9379, 54.5244,
59.4630

Harmonies

Analogous

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



18.3970, 11.2073, 18.3385



18.5039, 11.2073, 8.2091



16.2120, 11.2073, 3.2015

Triad

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



18.5039, 11.2073, 8.2091



6.6829, 11.2073, 2.9696



8.8993, 11.2073, 41.1397

Complementary

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



18.5039, 11.2073, 8.2091



20.1182, 30.3208, 30.3861

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.



6.5356, 11.2073, 30.6840



18.5039, 11.2073, 8.2091



5.4584, 11.2073, 7.6157

Square

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



18.5039, 11.2073, 8.2091



9.1470, 11.2073, 1.4778



5.4111, 11.2073, 17.3184



12.3141, 11.2073, 41.6189

Rectangle

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



18.5039, 11.2073, 8.2091



13.8702, 11.2073, 1.8518



5.4111, 11.2073, 17.3184



7.9749, 11.2073, 38.4954

Sweetspot

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



18.5042, 11.2079, 8.2093



51.5012, 47.2685, 50.1929



19.0469, 10.8367, 37.6469



11.1917, 10.0709, 10.6290



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.



18.5042, 11.2079, 8.2093



30.5005, 16.5482, 8.4146



19.6245, 14.5999, 5.0334



7.5954, 7.5680, 8.1865



12.4573, 6.3917, 1.9540



0.3210, 0.1627, 0.1418

Inverse Universe

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



18.5042, 11.2079, 8.2093



30.5005, 16.5482, 8.4146



17.2430, 21.2231, 39.7468



7.5954, 7.5680, 8.1865



12.4573, 6.3917, 1.9540



0.3210, 0.1627, 0.1418

Previews

White Background



This preview shows how the XYZ color 18.5039, 11.2073, 8.2091 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 18.5039, 11.2073, 8.2091 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

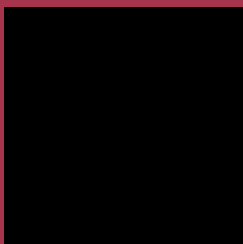
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 18.5039, 11.2073, 8.2091

Background



This preview shows how black text looks on a background with the XYZ color 18.5039, 11.2073, 8.2091.



This preview shows how white text looks on a background with the XYZ color 18.5039, 11.2073,

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

18.5039, 11.2073, 8.2091

Protanopia

11.0312, 11.3740, 13.1693

Deuteranopia

11.5605, 11.3818, 7.5488



Tritanopia

17.9295, 11.2511, 5.3644

Trichromacy



Original Color

18.5039, 11.2073, 8.2091

Protanomaly

12.6675, 10.4677, 11.0257

Deuteranomaly

13.3722, 10.6943, 7.6627

Tritanomaly

18.0754, 11.2327, 6.3697

Monochromacy



Original Color

18.5039, 11.2073, 8.2091

Achromatopsia

9.4954, 9.9899, 10.8790

Achromatomaly

11.5603, 9.6067, 9.8393

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.5039, 11.2073, 8.2091 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(167, 52, 77)` looks like.

```
.text, #text, p{  
    color:rgb(167, 52, 77)  
}
```

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(167, 52, 77) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 52, 77) }
```

Border

The CSS property to change the border of an element to XYZ 18.5039, 11.2073, 8.2091 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(167, 52, 77) }
```


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

```
.border{ border-color:rgb(167, 52, 77) }
```

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

Here you see how a box with a 4 pixel `rgb(167, 52, 77)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 52, 77); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 52, 77);  
box-shadow:4px 4px 4px 4px rgb(167, 52,  
77) }
```

Background

The CSS property to change the background color of an element to XYZ 18.5039, 11.2073, 8.2091 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 52, 77) }
```

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

```
.background{ background-color: rgb(167, 52,  
77) }
```

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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