

Converting Colors

XYZ(12.2639, 6.3888, 8.6834)

Have a look what the booklet for
XYZ(12.2639, 6.3888, 8.6834)
contains.

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Color

**XYZ(12.2134, 6.3695,
8.7693)**

Conversions

Conversions Part 1

Format	Color
Hex	8A0F53
RGB	138, 15, 83
RGB Percent	54%, 6%, 33%
CMY	0.4588, 0.9411, 0.6745
CMYK	0.00, 0.89, 0.40, 0.46
HSL	327°, 80%, 30%
HSV	327°, 89%, 54%
XYZ	12.2134, 6.3695, 8.7693
YIQ	59.5290, 51.4800, 47.2240

Conversions

Conversions Part 2

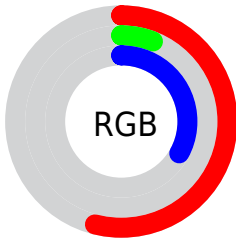
Format	Color
R_{YB}	138, 15, 83
Decimal	9047891
CIE _{Lab}	30.33, 52.63, -6.50
CIE _{LCh}	30, 53.029, 352.962
Yxy	6.3695, 0.4465, 0.2329
Android (android.graphics.Color)	4287237971 (0xFF8A0F53)
YUV	59.5290, 11.5712, 68.8191
Hunter-Lab	25.2379, 42.2155, -2.9347

Details

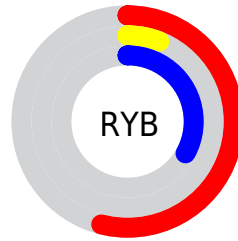
The XYZ color **12.2134, 6.3695, 8.7693** is a dark color, and the websafe version is hex **993366**. A complement of this color would be **10.3917, 18.7210, 8.8626**, and the grayscale version is **4.2103, 4.4296, 4.8238**.

A 20% lighter version of the original color is **29.3244, 18.5758, 23.8697**, and **3.9171, 1.9789, 2.0092** is the 20% darker color. If you saturate the color by 10%, you get **11.8279, 5.9630, 7.5171**, and if you desaturate by 10%, it is **12.7264, 6.9971, 10.1688**.

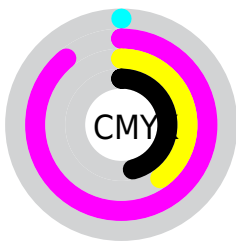
Distribution



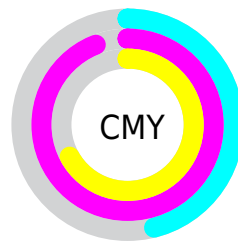
- Red (54%)
- Green (6%)
- Blue (33%)



- Red (54%)
- Yellow (6%)
- Blue (33%)



- Cyan (0%)
- Magenta (89%)
- Yellow (40%)
- Black (46%)





- Cyan (46%)
- Magenta (94%)
- Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 12.2134, 6.3695, 8.7693 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 12.2134, 6.3695, 8.7693 by changing the saturation by 10% instead.


 12.2134, 6.3695,
8.7693


 12.2134, 6.3695,
8.7693


199.5542,
162.3169, 191.8017


 6.9624, 3.0710,
4.4963


 29.4967, 18.6931,
24.0239


 3.4847, 1.1689,
1.9013

 42.2597, 28.4870,
35.8426


 1.4150, 0.0361,
0.4936

 58.2574, 41.2148,
51.0136

 0.2669, 0.0000,
0.0000


 77.8552, 57.2610,
69.9554


 0.0000, 0.0000,
0.0000


 101.4184, 77.0099,
93.0865


 129.3124,

100.8459, 120.8256


 161.9025,
129.1535, 153.5912


 12.2134, 6.3695,
8.7693

 12.2134, 6.3695,
8.7693


 11.8279, 5.9630,
7.5171


 12.7264, 6.9971,
10.1688

 11.7957, 5.9290,
7.4123

 13.4123, 7.9356,
11.7332

 14.2898, 9.2217,
13.4713

 15.3749, 10.8865,
15.3908

 16.6818, 12.9578,
17.4989

■ 18.2235, 15.4607,
19.8022

■ 20.0118, 18.4182,
22.3068

■ 22.0578, 21.8518,
25.0186

■ 24.3718, 25.7814,
27.9432

Harmonies

Analogous

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



10.7779, 6.3695, 19.0267



12.2134, 6.3695, 8.7693



11.6695, 6.3695, 2.8217

Triad

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



12.2134, 6.3695, 8.7693



4.3606, 6.3695, 0.2419



3.5887, 6.3695, 24.8374

Complementary

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



12.2134, 6.3695, 8.7693



10.3917, 18.7210, 8.8626

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.



2.6104, 6.3695, 13.8404



12.2134, 6.3695, 8.7693



2.9624, 6.3695, 1.4987

Square

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



12.2134, 6.3695, 8.7693



6.6645, 6.3695, 0.0000



2.4179, 6.3695, 5.3767



5.4820, 6.3695, 31.6618

Rectangle

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



12.2134, 6.3695, 8.7693



10.3141, 6.3695, 1.1384



2.4179, 6.3695, 5.3767



3.1659, 6.3695, 21.2512

Sweetspot

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



12.2136, 6.3699, 8.7694



32.5796, 28.0033, 35.5626



7.1639, 3.4171, 24.3267



7.1173, 5.9692, 7.7019



65.7814, 69.2071, 75.3665



9.5508, 10.0482, 10.9424

Same Dimension

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



12.2136, 6.3699, 8.7694



20.7116, 10.4189, 12.6422



10.8091, 5.8080, 1.3732



5.1410, 5.0918, 5.8308



10.8224, 5.4391, 6.8351



0.0793, 0.0391, 0.0843

Inverse Universe

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



12.2136, 6.3699, 8.7694



20.7116, 10.4189, 12.6422



13.3016, 19.8850, 24.1862



5.1410, 5.0918, 5.8308



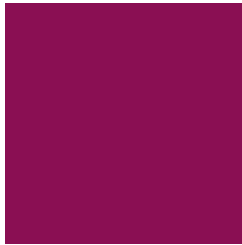
10.8224, 5.4391, 6.8351



0.0793, 0.0391, 0.0843

Previews

White Background



This preview shows how the XYZ color 12.2134, 6.3695, 8.7693 looks on a white background.

Color Contrast Check

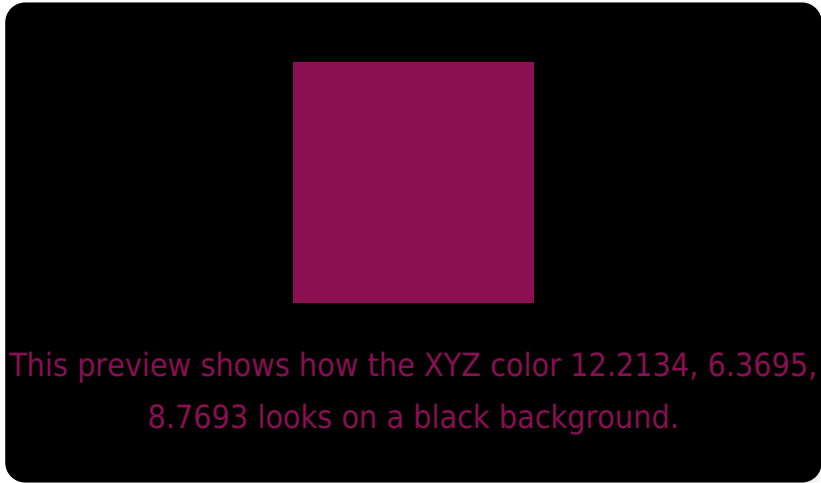
Large Text (above 18pt) WCAG AA ✓ Pass

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

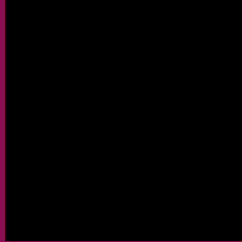
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 12.2134, 6.3695, 8.7693

Background



This preview shows how black text looks on a background with the XYZ color 12.2134, 6.3695, 8.7693.



This preview shows how white text looks on a background with the XYZ color 12.2134, 6.3695,

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

12.2134, 6.3695, 8.7693

Protanopia

7.2156, 6.7889, 17.7597

Deuteranopia

6.8172, 6.7046, 7.9560



Tritanopia

10.9111, 6.4803, 2.3448

Trichromacy



Original Color

12.2134, 6.3695, 8.7693

Protanomaly

7.5714, 5.3660, 14.0013

Deuteranomaly

7.8506, 5.6415, 8.0723

Tritanomaly

11.2112, 6.3218, 3.9975

Monochromacy



Original Color

12.2134, 6.3695, 8.7693

Achromatopsia

4.2949, 4.5186, 4.9208

Achromatomaly

5.9686, 4.2934, 5.9830

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.2134, 6.3695, 8.7693 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(138, 15, 83)` looks like.

```
.text, #text, p{  
  color:rgb(138, 15, 83)  
}
```

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(138, 15, 83) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 15, 83) }
```

Border

The CSS property to change the border of an element to XYZ 12.2134, 6.3695, 8.7693 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(138, 15, 83) }
```


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

```
.border{ border-color:rgb(138, 15, 83) }
```

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

Here you see how a box with a 4 pixel rgb(138, 15, 83) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 15, 83); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 15, 83);  
box-shadow:4px 4px 4px 4px rgb(138, 15,  
83) }
```

Background

The CSS property to change the background color of an element to XYZ 12.2134, 6.3695, 8.7693 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 15, 83) }
```

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

```
.background{ background-color: rgb(138, 15,  
83) }
```

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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