

Converting Colors

XYZ(12.7226, 8.0586, 6.3764)

Have a look what the booklet for
XYZ(12.7226, 8.0586, 6.3764)
contains.

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Color

**XYZ(12.7892, 8.1029,
6.3588)**

Conversions

Conversions Part 1

Format	Color
Hex	8B3144
RGB	139, 49, 68
RGB Percent	55%, 19%, 27%
CMY	0.4549, 0.8078, 0.7333
CMYK	0.00, 0.65, 0.51, 0.45
HSL	347°, 48%, 37%
HSV	347°, 65%, 55%
XYZ	12.7892, 8.1029, 6.3588
YIQ	78.0760, 47.5410, 24.9890

Conversions

Conversions Part 2

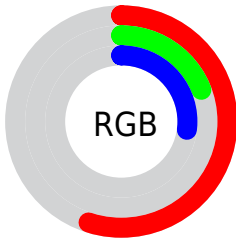
Format	Color
R_{YB}	139, 49, 68
Decimal	9122116
CIE _{Lab}	34.20, 39.85, 8.95
CIE _{LCh}	34, 40.845, 12.658
Yxy	8.1029, 0.4693, 0.2973
Android (android.graphics.Color)	4287312196 (0xFF8B3144)
YUV	78.0760, -4.9675, 53.4303
Hunter-Lab	28.4656, 30.3828, 6.6814

Details

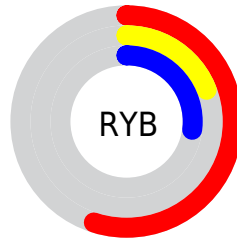
The XYZ color **12.7892, 8.1029, 6.3588** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **13.8899, 20.4746, 20.9906**, and the grayscale version is **7.2589, 7.6370, 8.3167**.

A 20% lighter version of the original color is **30.4745, 22.1111, 19.1847**, and **3.8316, 1.9550, 1.0951** is the 20% darker color. If you saturate the color by 10%, you get **11.9910, 6.9930, 4.5932**, and if you desaturate by 10%, it is **13.8298, 9.5975, 8.5143**.

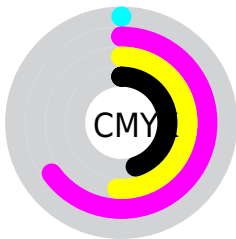
Distribution



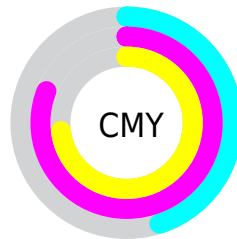
- Red (55%)
- Green (19%)
- Blue (27%)



- Red (55%)
- Yellow (19%)
- Blue (27%)



- Cyan (0%)
- Magenta (65%)
- Yellow (51%)
- Black (45%)





- Cyan (45%)
- Magenta (81%)
- Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 12.7892, 8.1029, 6.3588 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 12.7892, 8.1029, 6.3588 by changing the saturation by 10% instead.


 12.7892, 8.1029,
6.3588


 12.7892, 8.1029,
6.3588


203.2272,
176.5369, 171.6477


 7.3595, 4.1609,
2.9922


 30.5291, 22.1599,
19.1616


 3.7363, 1.7639,
1.0906

 43.5701, 33.0437,
29.4348


 1.5540, 0.4646,
0.0000

 59.8788, 47.0102,
42.8473

 0.3622, 0.0000,
0.0000

 79.8207, 64.4437,
59.8176

 0.0000, 0.0000,
0.0000

 103.7612, 85.7288,
80.7642

 132.0655,

111.2498, 106.1058

165.0991,
141.3910, 136.2607

■ 12.7892, 8.1029,
6.3588

■ 12.7892, 8.1029,
6.3588

■ 11.9910, 6.9930,
4.5932

■ 13.8298, 9.5975,
8.5143

■ 11.4139, 6.2307,
3.1929

■ 15.1303, 11.5065,
11.0813

■ 11.0317, 5.7695,
2.1303

■ 16.7074, 13.8583,
14.0802

■ 10.8735, 5.5794,
1.6884

■ 18.5760, 16.6786,
17.5300

■ 20.7501, 19.9908,
21.4483

■ 23.2427, 23.8170,
25.8521

■ 26.0660, 28.1778,
30.7573

■ 29.2316, 33.0927,
36.1791

■ 32.7507, 38.5803,
42.1321

Harmonies

Analogous

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



12.6602, 8.1029, 13.0945



12.7892, 8.1029, 6.3588



11.3751, 8.1029, 2.7766

Triad

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



12.7892, 8.1029, 6.3588



5.1080, 8.1029, 2.4558



6.4732, 8.1029, 26.9244

Complementary

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



12.7892, 8.1029, 6.3588



13.8899, 20.4746, 20.9906

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.



4.9186, 8.1029, 20.2826



12.7892, 8.1029, 6.3588



4.2433, 8.1029, 5.5985

Square

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



12.7892, 8.1029, 6.3588



6.7848, 8.1029, 1.3856



4.1816, 8.1029, 11.8527



8.6974, 8.1029, 27.4842

Rectangle

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



12.7892, 8.1029, 6.3588



9.8836, 8.1029, 1.7284



4.1816, 8.1029, 11.8527



5.8669, 8.1029, 25.2202

Sweetspot

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



12.7894, 8.1033, 6.3589



35.2726, 32.9188, 35.0281



13.4354, 8.0186, 25.2658



7.9019, 7.2416, 7.6635



67.5393, 71.0566, 77.3807



10.1266, 10.6539, 11.6021

Same Dimension

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



12.7894, 8.1033, 6.3589



20.9150, 11.7737, 6.9050



13.6845, 10.6758, 4.2456



5.0733, 5.0647, 5.4744



9.8193, 5.0378, 1.5528



0.0697, 0.0353, 0.0340

Inverse Universe

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



12.7894, 8.1033, 6.3589



20.9150, 11.7737, 6.9050



11.8883, 14.4396, 26.5868



5.0733, 5.0647, 5.4744



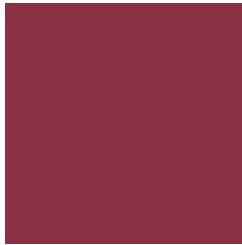
9.8193, 5.0378, 1.5528



0.0697, 0.0353, 0.0340

Previews

White Background



This preview shows how the XYZ color 12.7892, 8.1029, 6.3588 looks on a white background.

Color Contrast Check

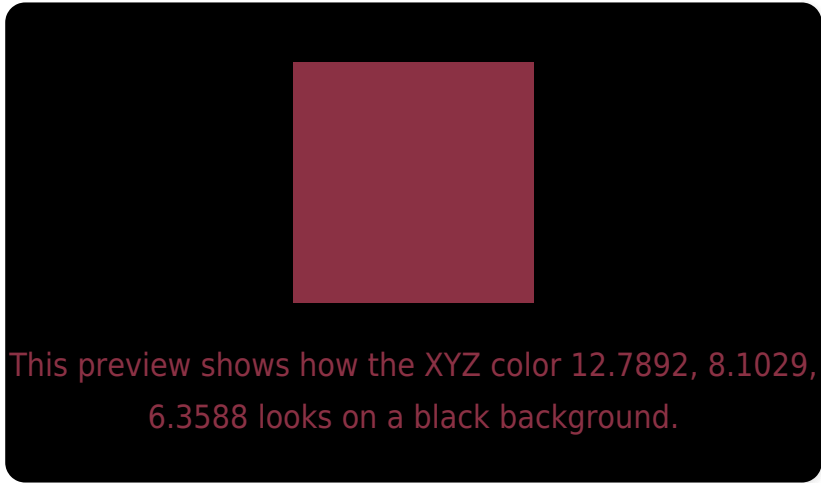
Large Text (above 18pt) WCAG AA ✓ Pass

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 12.7892, 8.1029, 6.3588

Background



This preview shows how black text looks on a background with the XYZ color 12.7892, 8.1029, 6.3588.



This preview shows how white text looks on a background with the XYZ color 12.7892, 8.1029,

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

12.7892, 8.1029, 6.3588

Protanopia

8.0618, 8.3346, 9.7782

Deuteranopia

8.3691, 8.2518, 6.0022



Tritanopia

12.3988, 8.1351, 4.5312

Trichromacy



Original Color

12.7892, 8.1029, 6.3588

Protanomaly

9.1329, 7.7043, 8.4029

Deuteranomaly

9.5168, 7.7755, 6.0003

Tritanomaly

12.4807, 8.0972, 5.1801

Monochromacy



Original Color

12.7892, 8.1029, 6.3588

Achromatopsia

7.2414, 7.6185, 8.2966

Achromatomaly

8.4987, 7.2180, 7.4239

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.7892, 8.1029, 6.3588 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, 49, 68)` looks like.

```
.text, #text, p{  
  color:rgb(139, 49, 68)  
}
```

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, 49, 68) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(139, 49, 68) }
```

Border

The CSS property to change the border of an element to XYZ 12.7892, 8.1029, 6.3588 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, 49, 68) }
```


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

```
.border{ border-color:rgb(139, 49, 68) }
```

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

Here you see how a box with a 4 pixel rgb(139, 49, 68) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(139, 49, 68); -webkit-box-  
shadow:4px 4px 4px 4px rgb(139, 49, 68);  
box-shadow:4px 4px 4px 4px rgb(139, 49,  
68) }
```

Background

The CSS property to change the background color of an element to XYZ 12.7892, 8.1029, 6.3588 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(139, 49, 68) }
```

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

```
.background{ background-color: rgb(139, 49,  
68) }
```

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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