

Converting Colors

XYZ(12.6458, 8.1719, 2.7446)

Have a look what the booklet for
XYZ(12.6458, 8.1719, 2.7446)
contains.

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Color

**XYZ(12.6458, 8.1719,
2.7446)**

Conversions

Conversions Part 1

Format	Color
Hex	8E3226
RGB	142, 50, 38
RGB Percent	56%, 20%, 15%
CMY	0.4431, 0.8039, 0.8510
CMYK	0.00, 0.65, 0.73, 0.44
HSL	7°, 58%, 35%
HSV	7°, 73%, 56%
XYZ	12.6458, 8.1719, 2.7446
YIQ	76.1400, 58.6840, 15.7720

Conversions

Conversions Part 2

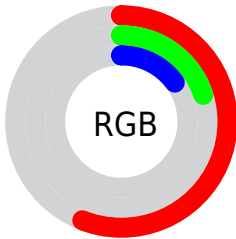
Format	Color
R_{YB}	142, 52, 38
Decimal	9318950
CIE Lab	34.34, 38.28, 28.15
CIE LCh	34, 47.514, 36.330
Yxy	8.1719, 0.5367, 0.3468
Android (android.graphics.Color)	4287509030 (0xFF8E3226)
YUV	76.1400, -18.8030, 57.7592
Hunter-Lab	28.5865, 28.9364, 14.3181

Details

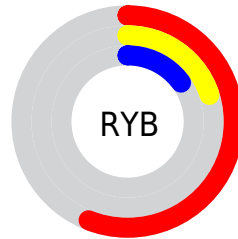
The XYZ color **12.6458, 8.1719, 2.7446** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **13.6639, 18.3292, 28.4088**, and the grayscale version is **6.9214, 7.2819, 7.9300**.

A 20% lighter version of the original color is **30.3024, 22.3494, 10.9004**, and **3.7463, 1.9313, 0.1753** is the 20% darker color. If you saturate the color by 10%, you get **11.9936, 7.1668, 1.6046**, and if you desaturate by 10%, it is **13.5332, 9.5077, 4.3945**.

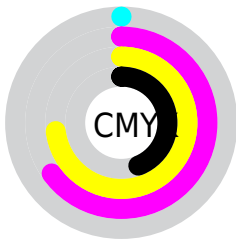
Distribution



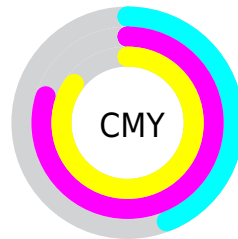
- Red (56%)
- Green (20%)
- Blue (15%)



- Red (56%)
- Yellow (20%)
- Blue (15%)



- Cyan (0%)
- Magenta (65%)
- Yellow (73%)
- Black (44%)





- Cyan (44%)
- Magenta (80%)
- Yellow (85%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 12.6458, 8.1719, 2.7446 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 12.6458, 8.1719, 2.7446 by changing the saturation by 10% instead.


 12.6458, 8.1719,
2.7446


 12.6458, 8.1719,
2.7446


202.3188,
177.0741, 133.0382


 7.2604, 4.2051,
0.9658


 30.2727, 22.2948,
10.9914


 3.6733, 1.7890,
0.0000

 43.2450, 33.2196,
18.2965


 1.5190, 0.4803,
0.0000

 59.4769, 47.2327,
28.2807

 0.3387, 0.0000,
0.0000

 79.3338, 64.7183,
41.3627

 0.0000, 0.0000,
0.0000

 103.1811, 86.0608,
57.9608

 131.3841,

111.6447, 78.4938

164.3083,
141.8544, 103.3801

12.6458, 8.1719,
2.7446

12.6458, 8.1719,
2.7446

11.9936, 7.1668,
1.6046

13.5332, 9.5077,
4.3945

11.5530, 6.4621,
0.9141

14.6752, 11.1983,
6.6045

11.3464, 6.1330,
0.5858

16.0897, 13.2672,
9.4192

17.7929, 15.7356,
12.8786

19.7996, 18.6228,
17.0193

■ 22.1237, 21.9472,
21.8751

■ 24.7782, 25.7258,
27.4777

■ 27.7753, 29.9750,
33.8566

■ 31.1267, 34.7101,
41.0399

Harmonies

Analogous

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



14.0226, 8.1719, 7.3819



12.6458, 8.1719, 2.7446



10.0011, 8.1719, 1.1029

Triad

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



12.6458, 8.1719, 2.7446



3.9684, 8.1719, 4.2259



8.3434, 8.1719, 32.7589

Complementary

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



12.6458, 8.1719, 2.7446



13.6639, 18.3292, 28.4088

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.



5.8934, 8.1719, 30.1145



12.6458, 8.1719, 2.7446



3.7193, 8.1719, 10.6082

Square

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



12.6458, 8.1719, 2.7446



5.1194, 8.1719, 1.5539



4.3389, 8.1719, 20.6669



11.1993, 8.1719, 26.6266

Rectangle

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



12.6458, 8.1719, 2.7446



8.0984, 8.1719, 0.8241



4.3389, 8.1719, 20.6669



7.4451, 8.1719, 32.9000

Sweetspot

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



12.6460, 8.1724, 2.7447



35.2147, 33.2696, 30.6350



15.9860, 8.7921, 22.5410



7.6684, 7.1483, 6.4336



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.



12.6460, 8.1724, 2.7447



20.5985, 11.7630, 1.9455



16.1008, 15.0820, 3.8963



5.4559, 5.5182, 5.6669



10.1952, 5.5222, 0.5285



0.1053, 0.0685, 0.0077

Inverse Universe

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



13.6639, 18.3292, 28.4088



22.3877, 30.5075, 49.8364



8.5213, 8.0441, 26.6946



5.5079, 6.0115, 6.8988



11.0463, 15.0785, 25.3053



0.1154, 0.1637, 0.2452

Previews

White Background



This preview shows how the XYZ color 12.6458, 8.1719, 2.7446 looks on a white background.

Color Contrast Check

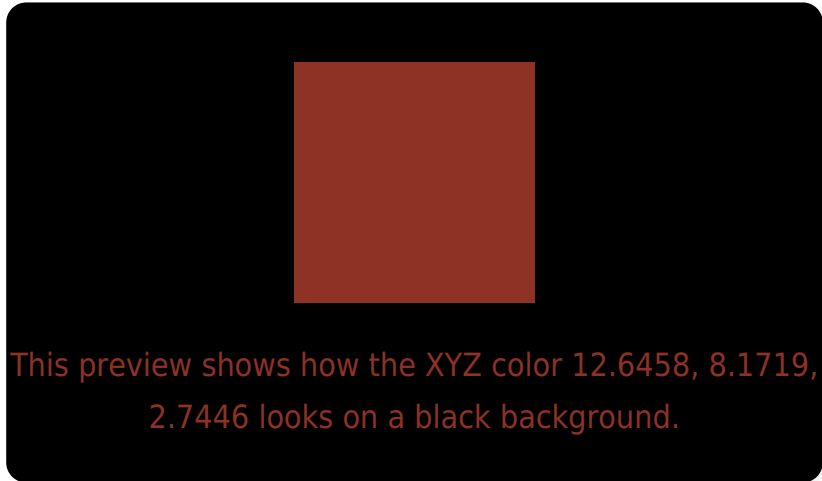
Large Text (above 18pt) WCAG AA ✓ Pass

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 12.6458, 8.1719, 2.7446

Background



This preview shows how black text looks on a background with the XYZ color 12.6458, 8.1719, 2.7446.

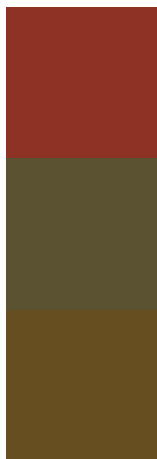


This preview shows how white text looks on a background with the XYZ color 12.6458, 8.1719,

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

12.6458, 8.1719, 2.7446

Protanopia

7.7672, 8.4216, 4.0125

Deuteranopia

8.4646, 8.3778, 2.5375



Tritanopia

12.9822, 8.1926, 4.0291

Trichromacy



Original Color

12.6458, 8.1719, 2.7446

Protanomaly

8.9515, 7.8134, 3.4192

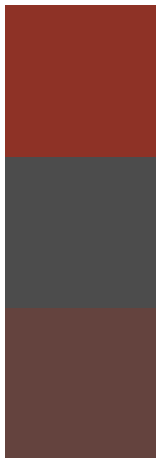
Deuteranomaly

9.6920, 8.0316, 2.5528

Tritanomaly

12.9191, 8.2335, 3.4931

Monochromacy



Original Color

12.6458, 8.1719, 2.7446

Achromatopsia

6.8694, 7.2272, 7.8704

Achromatomaly

8.1322, 7.0714, 5.4937

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.6458, 8.1719, 2.7446 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(142, 50, 38)` looks like.

```
.text, #text, p{  
    color:rgb(142, 50, 38)  
}
```

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(142, 50, 38) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(142, 50, 38) }
```

Border

The CSS property to change the border of an element to XYZ 12.6458, 8.1719, 2.7446 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(142, 50, 38) }
```


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

```
.border{ border-color:rgb(142, 50, 38) }
```

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

Here you see how a box with a 4 pixel rgb(142, 50, 38) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(142, 50, 38); -webkit-box-  
shadow:4px 4px 4px 4px rgb(142, 50, 38);  
box-shadow:4px 4px 4px 4px rgb(142, 50,  
38) }
```

Background

The CSS property to change the background color of an element to XYZ 12.6458, 8.1719, 2.7446 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(142, 50, 38) }
```

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

```
.background{ background-color: rgb(142, 50,  
38) }
```

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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