

Converting Colors

XYZ(12.5159, 7.8385, 3.7590)

Have a look what the booklet for
XYZ(12.5159, 7.8385, 3.7590)
contains.

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Color

**XYZ(12.5159, 7.8385,
3.7590)**

Conversions

Conversions Part 1

Format	Color
Hex	8D2E31
RGB	141, 46, 49
RGB Percent	55%, 18%, 19%
CMY	0.4471, 0.8196, 0.8078
CMYK	0.00, 0.67, 0.65, 0.45
HSL	358°, 51%, 37%
HSV	358°, 67%, 55%
XYZ	12.5159, 7.8385, 3.7590
YIQ	74.7470, 55.6570, 21.0730

Conversions

Conversions Part 2

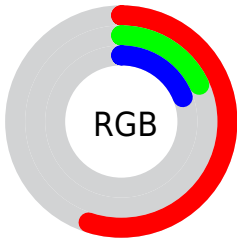
Format	Color
R_{YB}	141, 46, 49
Decimal	9252401
CIE _{Lab}	33.64, 40.39, 20.47
CIE _{LCh}	34, 45.284, 26.875
Yxy	7.8385, 0.5190, 0.3251
Android (android.graphics.Color)	4287442481 (0xFF8D2E31)
YUV	74.7470, -12.6933, 58.1039
Hunter-Lab	27.9973, 30.8012, 11.6377

Details

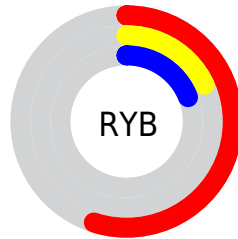
The XYZ color **12.5159, 7.8385, 3.7590** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **15.2397, 21.4658, 27.3872**, and the grayscale version is **6.6578, 7.0045, 7.6279**.

A 20% lighter version of the original color is **29.8934, 21.5177, 13.4043**, and **3.7627, 1.9379, 0.2619** is the 20% darker color. If you saturate the color by 10%, you get **11.8070, 6.8141, 2.3100**, and if you desaturate by 10%, it is **13.4935, 9.2606, 5.7286**.

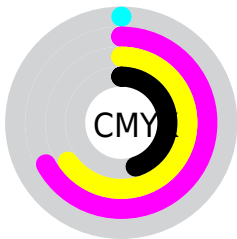
Distribution



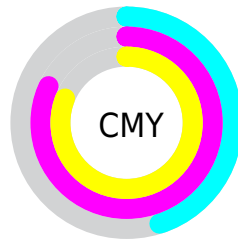
- Red (55%)
- Green (18%)
- Blue (19%)



- Red (55%)
- Yellow (18%)
- Blue (19%)



- Cyan (0%)
- Magenta (67%)
- Yellow (65%)
- Black (45%)





- Cyan (45%)
- Magenta (82%)
- Yellow (81%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 12.5159, 7.8385, 3.7590 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 12.5159, 7.8385, 3.7590 by changing the saturation by 10% instead.


 12.5159, 7.8385,
3.7590


 12.5159, 7.8385,
3.7590

201.4923,
174.4597, 145.5078


 7.1707, 3.9918,
1.4941


 30.0401, 21.6412,
13.4500


 3.6164, 1.6690,
0.2135

 42.9498, 32.3660,
21.7132

 1.4875, 0.4034,
0.0000

 59.1117, 46.1523,
32.8129

 0.3173, 0.0000,
0.0000

 78.8913, 63.3845,
47.1676

 0.0000, 0.0000,
0.0000

 102.6537, 84.4469,
65.1959

 130.7645,

109.7240, 87.3164

163.5889,
139.6001, 113.9475

■ 12.5159, 7.8385,
3.7590

■ 12.5159, 7.8385,
3.7590

■ 11.8070, 6.8141,
2.3100

■ 13.4935, 9.2606,
5.7286

■ 11.3395, 6.1458,
1.3320

■ 14.7624, 11.1140,
8.2615

■ 11.0687, 5.7608,
0.7592

■ 16.3434, 13.4302,
11.3964

■ 11.0088, 5.6724,
0.6423

■ 18.2554, 16.2373,
15.1684

■ 20.5157, 19.5615,
19.6100

■ 23.1402, 23.4267,
24.7514

■ 26.1443, 27.8555,
30.6211

■ 29.5420, 32.8695,
37.2459

■ 33.3469, 38.4886,
44.6513

Harmonies

Analogous

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



13.2415, 7.8385, 9.2947



12.5159, 7.8385, 3.7590



10.3455, 7.8385, 1.4743

Triad

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



12.5159, 7.8385, 3.7590



4.1496, 7.8385, 3.0662



7.1954, 7.8385, 30.4647

Complementary

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



12.5159, 7.8385, 3.7590



15.2397, 21.4658, 27.3872

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.



5.1529, 7.8385, 25.6485



12.5159, 7.8385, 3.7590



3.6550, 7.8385, 7.8174

Square

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



12.5159, 7.8385, 3.7590



5.5101, 7.8385, 1.2569



3.9775, 7.8385, 16.2396



9.7995, 7.8385, 27.2173

Rectangle

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



12.5159, 7.8385, 3.7590



8.5768, 7.8385, 0.9722



3.9775, 7.8385, 16.2396



6.4270, 7.8385, 29.6919

Sweetspot

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



12.5161, 7.8389, 3.7591



35.4348, 33.1104, 32.5557



16.2386, 9.2666, 26.1320



7.6895, 7.0644, 6.8294



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.



12.5161, 7.8389, 3.7591



20.6448, 11.4866, 3.0984



15.1624, 13.2293, 4.3398



5.4153, 5.4267, 5.6852



10.0392, 5.1727, 0.5916



0.0971, 0.0499, 0.0114

Inverse Universe

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



12.5161, 7.8389, 3.7591



20.6448, 11.4866, 3.0984



10.1789, 10.9925, 26.7845



5.4153, 5.4267, 5.6852



10.0392, 5.1727, 0.5916



0.0971, 0.0499, 0.0114

Previews

White Background



This preview shows how the XYZ color 12.5159, 7.8385, 3.7590 looks on a white background.

Color Contrast Check

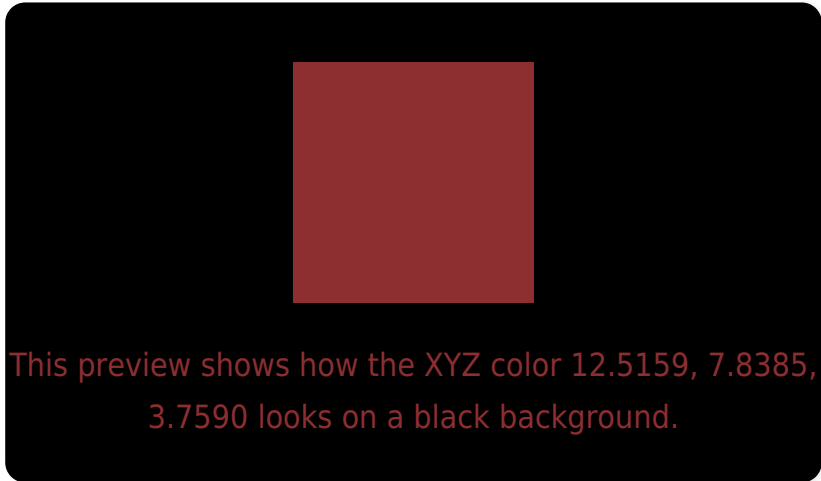
Large Text (above 18pt) WCAG AA ✓ Pass

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

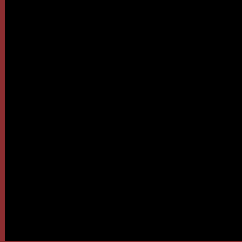
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 12.5159, 7.8385, 3.7590

Background



This preview shows how black text looks on a background with the XYZ color 12.5159, 7.8385, 3.7590.



This preview shows how white text looks on a background with the XYZ color 12.5159, 7.8385,

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

12.5159, 7.8385, 3.7590

Protanopia

7.5122, 8.0275, 5.8562

Deuteranopia

8.0761, 7.9474, 3.4912



Tritanopia

12.5159, 7.8385, 3.7590

Trichromacy



Original Color

12.5159, 7.8385, 3.7590

Protanomaly

8.6565, 7.4430, 4.9834

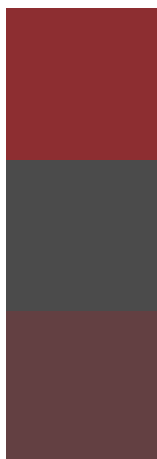
Deuteranomaly

9.3229, 7.5553, 3.5517

Tritanomaly

12.5159, 7.8385, 3.7590

Monochromacy



Original Color

12.5159, 7.8385, 3.7590

Achromatopsia

6.6877, 7.0360, 7.6622

Achromatomaly

7.9624, 6.7128, 6.0303

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.5159, 7.8385, 3.7590 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(141, 46, 49)` looks like.

```
.text, #text, p{  
    color:rgb(141, 46, 49)  
}
```

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(141, 46, 49) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(141, 46, 49) }
```

Border

The CSS property to change the border of an element to XYZ 12.5159, 7.8385, 3.7590 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(141, 46, 49) }
```


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

```
.border{ border-color:rgb(141, 46, 49) }
```

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

Here you see how a box with a 4 pixel `rgb(141, 46, 49)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(141, 46, 49); -webkit-box-  
shadow:4px 4px 4px 4px rgb(141, 46, 49);  
box-shadow:4px 4px 4px 4px rgb(141, 46,  
49) }
```

Background

The CSS property to change the background color of an element to XYZ 12.5159, 7.8385, 3.7590 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(141, 46, 49) }
```

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

```
.background{ background-color: rgb(141, 46,  
49) }
```

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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