

Converting Colors

XYZ(12.3079, 7.2815, 0.7568)

Have a look what the booklet for
XYZ(12.3079, 7.2815, 0.7568)
contains.

XYZ(12.3079, 7.2815, 0.7568)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(12.3079, 7.2815,
0.7568)**

Conversions

Conversions Part 1

Format	Color
Hex	912400
RGB	145, 36, 0
RGB Percent	57%, 14%, 0%
CMY	0.4314, 0.8588, 1.0000
CMYK	0.00, 0.75, 1.00, 0.43
HSL	15°, 100%, 28%
HSV	15°, 100%, 57%
XYZ	12.3079, 7.2815, 0.7568
YIQ	64.4870, 76.5200, 11.9120

Conversions

Conversions Part 2

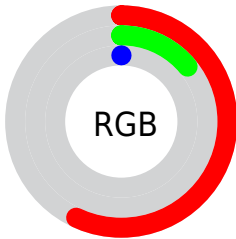
Format	Color
R_{YB}	145, 48, 0
Decimal	9511936
CIE Lab	32.44, 44.17, 45.11
CIE LCh	32, 63.130, 45.600
Yxy	7.2815, 0.6049, 0.3579
Android (android.graphics.Color)	4287702016 (0xFF912400)
YUV	64.4870, -31.7921, 70.6099
Hunter-Lab	26.9843, 34.1939, 17.2261

Details

The XYZ color **12.3079, 7.2815, 0.7568** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **10.5786, 12.9800, 28.7356**, and the grayscale version is **4.9856, 5.2452, 5.7120**.

A 20% lighter version of the original color is **29.5804, 20.4883, 5.3013**, and **3.7463, 1.9313, 0.1753** is the 20% darker color. If you saturate the color by 10%, you get **12.3080, 7.2818, 0.7568**, and if you desaturate by 10%, it is **12.7725, 8.0784, 1.3197**.

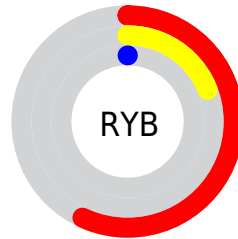
Distribution



Red (57%)

Green (14%)

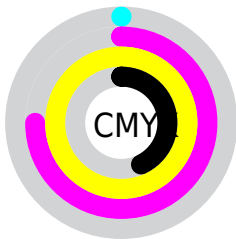
Blue (0%)



Red (57%)

Yellow (19%)

Blue (0%)

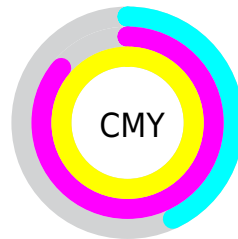


Cyan (0%)

Magenta (75%)

Yellow (100%)

Black (43%)



Cyan (43%)


Magenta (86%)

Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 12.3079, 7.2815, 0.7568 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 12.3079, 7.2815, 0.7568 by changing the saturation by 10% instead.


 12.3079, 7.2815,
0.7568

 12.3079, 7.2815,
0.7568


 200.1617,
169.9827, 98.7358


 7.0274, 3.6388,
0.0000


 29.6667, 20.5373,
5.2716


 3.5257, 1.4736,
0.0000

 42.4757, 30.9192,
9.9667


 1.4375, 0.2701,
0.0000

 58.5249, 44.3162,
16.8499

 0.2827, 0.0000,
0.0000


 78.1797, 61.1128,
26.3398


 0.0000, 0.0000,
0.0000


 101.8054, 81.6933,
38.8547


 129.7674,

106.4422, 54.8133


 162.4311,
135.7439, 74.6342


 12.3079, 7.2815,
0.7568


 12.3079, 7.2815,
0.7568


 12.3080, 7.2818,
0.7568

 12.7725, 8.0784,
1.3197

 13.4020, 9.1151,
2.2155

 14.2323, 10.4180,
3.5948

 15.2805, 12.0049,
5.5150

 16.5619, 13.8919,
8.0255

■ 18.0903, 16.0938,
11.1701

■ 19.8782, 18.6244,
14.9883

■ 21.9375, 21.4968,
19.5165

■ 24.2790, 24.7231,
24.7883

Harmonies

Analogous

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



14.8992, 7.2815, 4.0095



12.3079, 7.2815, 0.7568



8.6024, 7.2815, 0.0000

Triad

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



12.3079, 7.2815, 0.7568



2.4472, 7.2815, 4.2450



8.7501, 7.2815, 40.9125

Complementary

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



12.3079, 7.2815, 0.7568



10.5786, 12.9800, 28.7356

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.



5.4741, 7.2815, 41.2044



12.3079, 7.2815, 0.7568



2.4643, 7.2815, 13.8128

Square

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



12.3079, 7.2815, 0.7568



3.3347, 7.2815, 0.8222



3.3922, 7.2815, 28.9606



12.4449, 7.2815, 28.3334

Rectangle

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



12.3079, 7.2815, 0.7568



6.3261, 7.2815, 0.0000



3.3922, 7.2815, 28.9606



7.5517, 7.2815, 42.6584

Sweetspot

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



12.3081, 7.2819, 0.7569



35.3846, 33.0522, 26.3768



14.5554, 7.1711, 15.7040



7.5949, 6.9625, 5.2720



69.3244, 72.9347, 79.4259



10.7221, 11.2805, 12.2844

Same Dimension

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



12.3081, 7.2819, 0.7569



21.9228, 12.8023, 1.3156



16.8654, 16.3966, 2.2760



5.5109, 5.6282, 5.6853



10.5754, 6.2825, 0.6553



0.1164, 0.0906, 0.0114

Inverse Universe

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



10.5786, 12.9800, 28.7356



18.8021, 22.9598, 51.4143



5.8255, 3.4736, 27.1512



5.4484, 5.8926, 6.8790



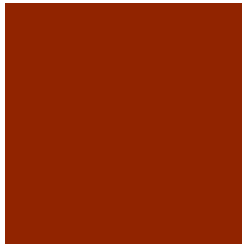
9.0948, 11.1756, 24.6548



0.1043, 0.1416, 0.2415

Previews

White Background



This preview shows how the XYZ color 12.3079, 7.2815, 0.7568 looks on a white background.

Color Contrast Check

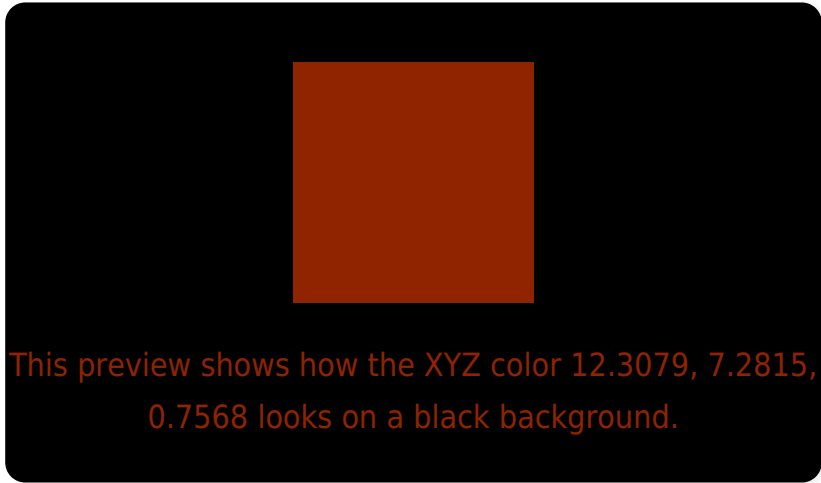
Large Text (above 18pt) WCAG AA ✓ Pass

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 12.3079, 7.2815, 0.7568

Background



This preview shows how black text looks on a background with the XYZ color 12.3079, 7.2815, 0.7568.



This preview shows how white text looks on a background with the XYZ color 12.3079, 7.2815,

0.7568.

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

12.3079, 7.2815, 0.7568

Protanopia

6.8501, 7.5640, 1.6293

Deuteranopia

7.4858, 7.4942, 1.0520



Tritanopia

12.5378, 7.2793, 2.2576

Trichromacy



Original Color

12.3079, 7.2815, 0.7568

Protanomaly

8.1446, 6.8304, 1.2057

Deuteranomaly

8.6861, 6.8766, 0.8695

Tritanomaly

12.4229, 7.2797, 1.5094

Monochromacy



Original Color

12.3079, 7.2815, 0.7568

Achromatopsia

4.8732, 5.1269, 5.5832

Achromatomaly

6.2336, 5.1256, 2.7586

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.3079, 7.2815, 0.7568 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(145, 36, 0)` looks like.

```
.text, #text, p{  
    color:rgb(145, 36, 0)  
}
```

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(145, 36, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 36, 0) }
```

Border

The CSS property to change the border of an element to XYZ 12.3079, 7.2815, 0.7568 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(145, 36, 0) }
```


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

```
.border{ border-color:rgb(145, 36, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(145, 36, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(145, 36, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(145, 36, 0);  
box-shadow:4px 4px 4px 4px rgb(145, 36, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 12.3079, 7.2815, 0.7568 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(145, 36, 0) }
```

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

```
.background{ background-color: rgb(145, 36,  
0) }
```

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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