

Converting Colors

XYZ(12.7960, 6.7974, 0.6376)

Have a look what the booklet for
XYZ(12.7960, 6.7974, 0.6376)
contains.

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Color

**XYZ(12.7091, 6.7470,
0.6324)**

Conversions

Conversions Part 1

Format	Color
Hex	960C00
RGB	150, 12, 0
RGB Percent	59%, 5%, 0%
CMY	0.4118, 0.9529, 1.0000
CMYK	0.00, 0.92, 1.00, 0.41
HSL	5°, 100%, 29%
HSV	5°, 100%, 59%
XYZ	12.7091, 6.7470, 0.6324
YIQ	51.8940, 86.1000, 25.5240

Conversions

Conversions Part 2

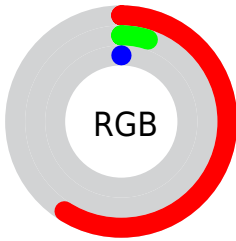
Format	Color
R_{YB}	150, 13, 0
Decimal	9833472
CIE _{Lab}	31.22, 52.13, 44.79
CIE _{LCh}	31, 68.727, 40.669
Yxy	6.7470, 0.6327, 0.3359
Android (android.graphics.Color)	4288023552 (0xFF960C00)
YUV	51.8940, -25.5837, 86.0390
Hunter-Lab	25.9750, 41.8806, 16.7390

Details

The XYZ color **12.7091, 6.7470, 0.6324** is a dark color, and the websafe version is hex **990000**. A complement of this color would be **14.5900, 20.3722, 32.0170**, and the grayscale version is **3.2751, 3.4456, 3.7523**.

A 20% lighter version of the original color is **30.2489, 19.3712, 4.8340**, and **4.1198, 2.1238, 0.1928** is the 20% darker color. If you saturate the color by 10%, you get **12.7092, 6.7474, 0.6325**, and if you desaturate by 10%, it is **13.0292, 7.2493, 1.1645**.

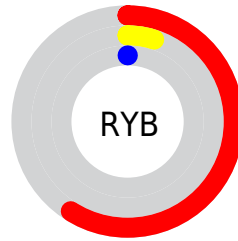
Distribution



Red (59%)

Green (5%)

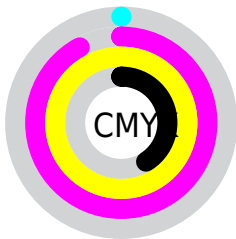
Blue (0%)



Red (59%)

Yellow (5%)

Blue (0%)

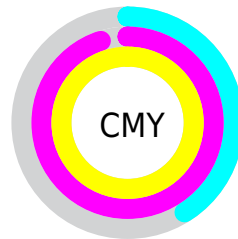


Cyan (0%)

Magenta (92%)

Yellow (100%)

Black (41%)



Cyan (41%)


Magenta (95%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 12.7091, 6.7470, 0.6324 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 12.7091, 6.7470, 0.6324 by changing the saturation by 10% instead.


 12.7091, 6.7470,
0.6324


 12.7091, 6.7470,
0.6324


 202.7203,
165.5446, 96.0382


 7.3042, 3.3044,
0.0000


 30.3860, 19.4624,
4.8949


 3.7010, 1.2926,
0.0000

 43.3886, 29.5040,
9.3881


 1.5344, 0.1355,
0.0000

 59.6545, 42.5140,
16.0261

 0.3491, 0.0000,
0.0000

 79.5490, 58.8769,
25.2275


 0.0000, 0.0000,
0.0000


 103.4374, 78.9770,
37.4109


 131.6853,

103.1987, 52.9948

 164.6578,
131.9264, 72.3977

 12.7091, 6.7470,
0.6324


 12.7091, 6.7470,
0.6324


 12.7092, 6.7474,
0.6325

 13.0292, 7.2493,
1.1645

 13.5578, 8.0696,
2.0713

 14.3433, 9.2577,
3.5135

 15.4130, 10.8499,
5.5568

 16.7907, 12.8784,
8.2573

■ 18.4979, 15.3721,
11.6649

■ 20.5540, 18.3573,
15.8244

■ 22.9768, 21.8584,
20.7771

■ 25.7832, 25.8983,
26.5613

Harmonies

Analogous

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



15.1484, 6.7470, 4.4124



12.7091, 6.7470, 0.6324



8.8123, 6.7470, 0.0000

Triad

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



12.7091, 6.7470, 0.6324



2.0288, 6.7470, 2.7487



7.6922, 6.7470, 44.9854

Complementary

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



12.7091, 6.7470, 0.6324



14.5900, 20.3722, 32.0170

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.



4.4940, 6.7470, 42.5951



12.7091, 6.7470, 0.6324



1.9132, 6.7470, 11.3568

Square

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



12.7091, 6.7470, 0.6324



3.0428, 6.7470, 0.1193



2.6400, 6.7470, 27.3617



11.6458, 6.7470, 32.4181

Rectangle

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



12.7091, 6.7470, 0.6324



6.3372, 6.7470, 0.0000



2.6400, 6.7470, 27.3617



6.4890, 6.7470, 46.0661

Sweetspot

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



12.7092, 6.7474, 0.6325



36.0415, 32.0606, 27.4548



17.3111, 8.3774, 25.5152



7.6686, 6.6429, 5.4378



71.1368, 74.8414, 81.5023



11.3376, 11.9280, 12.9896

Same Dimension

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



12.7092, 6.7474, 0.6325



22.3753, 11.7998, 1.0983



15.8260, 12.9809, 1.6714



5.8360, 5.8857, 6.0689



10.5518, 5.6179, 0.5282



0.1366, 0.0836, 0.0089

Inverse Universe

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



14.5900, 20.3722, 32.0170



25.6886, 35.8330, 56.4838



7.3952, 5.9825, 29.6187



5.9248, 6.4835, 7.4089



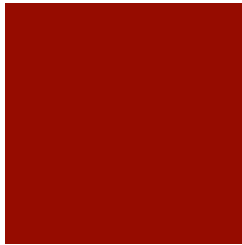
12.1117, 16.9182, 26.5582



0.1577, 0.2260, 0.3282

Previews

White Background



This preview shows how the XYZ color 12.7091, 6.7470, 0.6324 looks on a white background.

Color Contrast Check

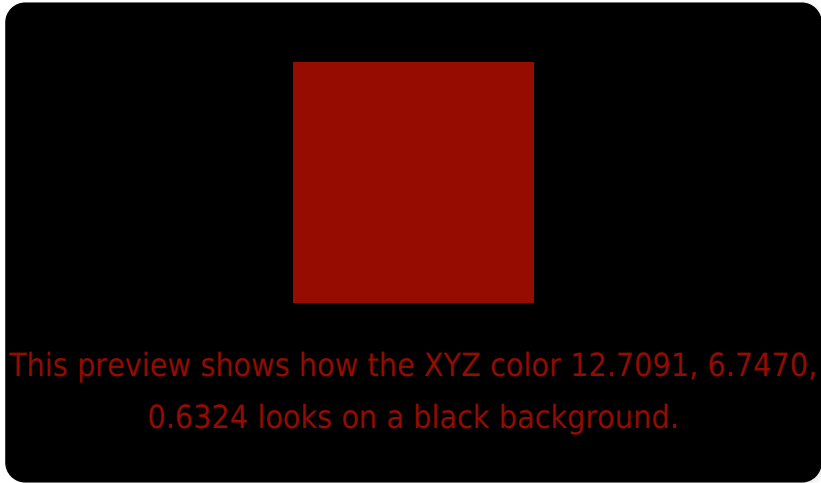
Large Text (above 18pt) WCAG AA ✓ Pass

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 12.7091, 6.7470, 0.6324

Background



This preview shows how black text looks on a background with the XYZ color 12.7091, 6.7470, 0.6324.



This preview shows how white text looks on a background with the XYZ color 12.7091, 6.7470,

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

12.7091, 6.7470, 0.6324

Protanopia

6.4483, 7.1472, 1.6558

Deuteranopia

7.1412, 7.1215, 0.9982



Tritanopia

12.7216, 6.7719, 0.6366

Trichromacy



Original Color

12.7091, 6.7470, 0.6324

Protanomaly

7.6461, 5.8240, 1.0690

Deuteranomaly

8.3431, 5.9942, 0.7173

Tritanomaly

12.7216, 6.7719, 0.6366

Monochromacy



Original Color

12.7091, 6.7470, 0.6324

Achromatopsia

3.2640, 3.4340, 3.7396

Achromatomaly

4.9606, 3.5076, 1.8544

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.7091, 6.7470, 0.6324 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(150, 12, 0)` looks like.

```
.text, #text, p{  
    color:rgb(150, 12, 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(150, 12, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 12, 0) }
```

Border

The CSS property to change the border of an element to XYZ 12.7091, 6.7470, 0.6324 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(150, 12, 0) }
```


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

```
.border{ border-color:rgb(150, 12, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(150, 12, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 12, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 12, 0);  
box-shadow:4px 4px 4px 4px rgb(150, 12, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 12.7091, 6.7470, 0.6324 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 12, 0) }
```

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

```
.background{ background-color: rgb(150, 12,  
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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