

Converting Colors

XYZ(12.7279, 7.2410, 0.7268)

Have a look what the booklet for
XYZ(12.7279, 7.2410, 0.7268)
contains.

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Color

**XYZ(12.6770, 7.2244,
0.7263)**

Conversions

Conversions Part 1

Format	Color
Hex	941E00
RGB	148, 30, 0
RGB Percent	58%, 12%, 0%
CMY	0.4196, 0.8823, 1.0000
CMYK	0.00, 0.80, 1.00, 0.42
HSL	12°, 100%, 29%
HSV	12°, 100%, 58%
XYZ	12.6770, 7.2244, 0.7263
YIQ	61.8620, 79.9580, 15.6860

Conversions

Conversions Part 2

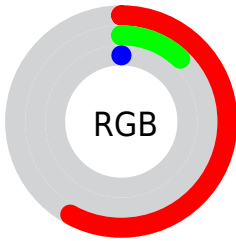
Format	Color
R_{YB}	148, 38, 0
Decimal	9707008
CIE Lab	32.31, 47.22, 45.32
CIE LCh	32, 65.452, 43.825
Yxy	7.2244, 0.6146, 0.3502
Android (android.graphics.Color)	4287897088 (0xFF941E00)
YUV	61.8620, -30.4980, 75.5430
Hunter-Lab	26.8782, 37.1518, 17.2126

Details

The XYZ color **12.6770, 7.2244, 0.7263** is a dark color, and the websafe version is hex **990000**. A complement of this color would be **11.8227, 15.0930, 30.3069**, and the grayscale version is **4.5939, 4.8332, 5.2633**.

A 20% lighter version of the original color is **30.3603, 20.4120, 5.1361**, and **4.0245, 2.0747, 0.1883** is the 20% darker color. If you saturate the color by 10%, you get **12.6771, 7.2248, 0.7264**, and if you desaturate by 10%, it is **13.1186, 7.9721, 1.2919**.

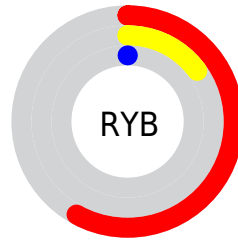
Distribution



Red (58%)

Green (12%)

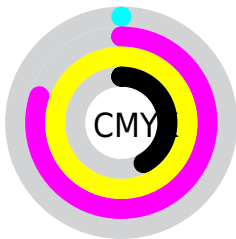
Blue (0%)



Red (58%)

Yellow (15%)

Blue (0%)

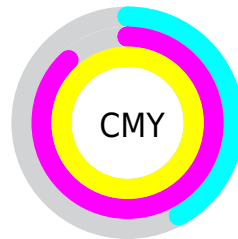


Cyan (0%)

Magenta (80%)

Yellow (100%)

Black (42%)



Cyan (42%)


Magenta (88%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 12.6770, 7.2244, 0.7263 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 12.6770, 7.2244, 0.7263 by changing the saturation by 10% instead.


 12.6770, 7.2244,
0.7263


 12.6770, 7.2244,
0.7263


 202.5168,
169.5155, 98.0698


 7.2820, 3.6028,
0.0000


 30.3285, 20.4232,
5.1775


 3.6870, 1.4540,
0.0000

 43.3158, 30.7693,
9.8227


 1.5266, 0.2560,
0.0000

 59.5644, 44.1256,
16.6454

 0.3438, 0.0000,
0.0000

 79.4399, 60.8767,
26.0641

 0.0000, 0.0000,
0.0000


 103.3075, 81.4068,
38.4973

 131.5326,


106.1003, 54.3637

 164.4806,
135.3418, 74.0817


 12.6770, 7.2244,
0.7263


 12.6770, 7.2244,
0.7263


 12.6771, 7.2248,
0.7264

 13.1186, 7.9721,
1.2919

 13.7429, 8.9895,
2.2126

 14.5886, 10.3081,
3.6433

 15.6756, 11.9503,
5.6455

 17.0215, 13.9358,
8.2714

■ 18.6421, 16.2831,
11.5678

■ 20.5520, 19.0091,
15.5765

■ 22.7647, 22.1297,
20.3362

■ 25.2927, 25.6599,
25.8828

Harmonies

Analogous

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



15.2676, 7.2244, 4.2151



12.6770, 7.2244, 0.7263



8.8328, 7.2244, 0.0000

Triad

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



12.6770, 7.2244, 0.7263



2.3365, 7.2244, 3.7488



8.5328, 7.2244, 43.1039

Complementary

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



12.6770, 7.2244, 0.7263



11.8227, 15.0930, 30.3069

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.



5.2162, 7.2244, 42.4950



12.6770, 7.2244, 0.7263



2.3031, 7.2244, 13.1810

Square

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



12.6770, 7.2244, 0.7263



3.2882, 7.2244, 0.5936



3.1746, 7.2244, 28.9596



12.3965, 7.2244, 30.2608

Rectangle

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



12.6770, 7.2244, 0.7263



6.4437, 7.2244, 0.0000



3.1746, 7.2244, 28.9596



7.3076, 7.2244, 44.6636

Sweetspot

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



12.6772, 7.2248, 0.7264



36.0464, 33.2330, 27.0233



15.5065, 7.6134, 17.9166



7.9227, 7.1511, 5.5225



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.



12.6772, 7.2248, 0.7264



22.2670, 12.5453, 1.2479



17.1228, 16.1161, 2.2083



5.8904, 5.9946, 6.0871



10.8450, 6.2044, 0.6260



0.1501, 0.1107, 0.0135

Inverse Universe

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



11.8227, 15.0930, 30.3069



20.7366, 26.3828, 53.4340



6.2609, 3.9695, 28.4530



5.8653, 6.3646, 7.3891



10.1180, 12.9308, 25.8937



0.1441, 0.1989, 0.3237

Previews

White Background



This preview shows how the XYZ color 12.6770, 7.2244, 0.7263 looks on a white background.

Color Contrast Check

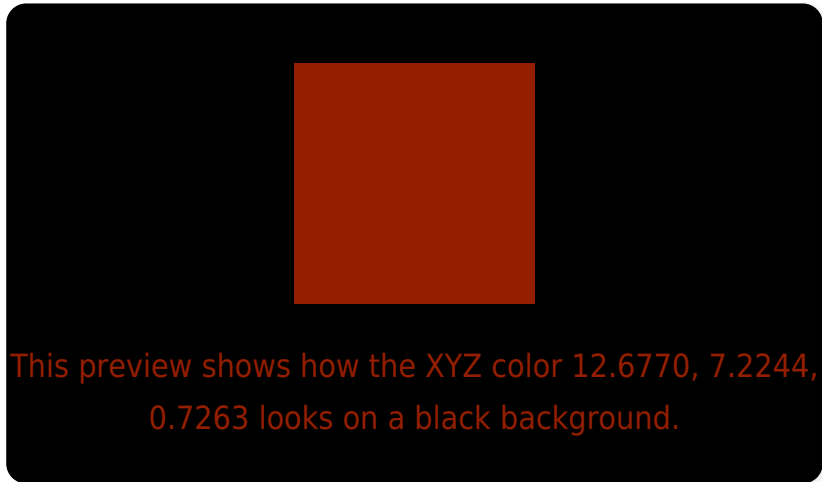
Large Text (above 18pt) WCAG AA ✓ Pass

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 12.6770, 7.2244, 0.7263

Background



This preview shows how black text looks on a background with the XYZ color 12.6770, 7.2244, 0.7263.



This preview shows how white text looks on a background with the XYZ color 12.6770, 7.2244,

0.7263.

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

12.6770, 7.2244, 0.7263

Protanopia

6.7641, 7.5187, 1.6670

Deuteranopia

7.4858, 7.4942, 1.0520



Tritanopia

12.8376, 7.2102, 1.8137

Trichromacy



Original Color

12.6770, 7.2244, 0.7263

Protanomaly

8.0358, 6.6129, 1.1695

Deuteranomaly

8.7155, 6.7391, 0.8414

Tritanomaly

12.7613, 7.2183, 1.2929

Monochromacy



Original Color

12.6770, 7.2244, 0.7263

Achromatopsia

4.5787, 4.8172, 5.2459

Achromatomaly

6.0210, 4.7548, 2.5199

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.6770, 7.2244, 0.7263 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(148, 30, 0)` looks like.

```
.text, #text, p{  
    color:rgb(148, 30, 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(148, 30, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 30, 0) }
```

Border

The CSS property to change the border of an element to XYZ 12.6770, 7.2244, 0.7263 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(148, 30, 0) }
```


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

```
.border{ border-color:rgb(148, 30, 0) }
```

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

Here you see how a box with a 4 pixel rgb(148, 30, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(148, 30, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(148, 30, 0);  
box-shadow:4px 4px 4px 4px rgb(148, 30, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 12.6770, 7.2244, 0.7263 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 30, 0) }
```

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

```
.background{ background-color: rgb(148, 30,  
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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