

Converting Colors

XYZ(12.4399, 6.7771, 0.6524)

Have a look what the booklet for
XYZ(12.4399, 6.7771, 0.6524)
contains.

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Color

**XYZ(12.4629, 6.7962,
0.6549)**

Conversions

Conversions Part 1

Format	Color
Hex	941400
RGB	148, 20, 0
RGB Percent	58%, 8%, 0%
CMY	0.4196, 0.9215, 1.0000
CMYK	0.00, 0.86, 1.00, 0.42
HSL	8°, 100%, 29%
HSV	8°, 100%, 58%
XYZ	12.4629, 6.7962, 0.6549
YIQ	55.9920, 82.7080, 20.9160

Conversions

Conversions Part 2

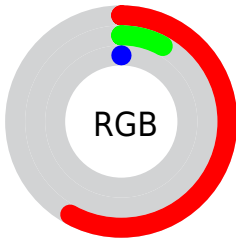
Format	Color
R_YB	148, 23, 0
Decimal	9704448
CIE Lab	31.34, 49.97, 44.66
CIE LCh	31, 67.024, 41.790
Yxy	6.7962, 0.6258, 0.3413
Android (android.graphics.Color)	4287894528 (0xFF941400)
YUV	55.9920, -27.6041, 80.6910
Hunter-Lab	26.0695, 39.7128, 16.7592

Details

The XYZ color **12.4629, 6.7962, 0.6549** is a dark color, and the websafe version is hex **990000**. A complement of this color would be **13.0627, 17.5729, 30.7202**, and the grayscale version is **3.7857, 3.9828, 4.3373**.

A 20% lighter version of the original color is **29.9078, 19.5070, 4.9852**, and **3.9305, 2.0262, 0.1839** is the 20% darker color. If you saturate the color by 10%, you get **12.4630, 6.7966, 0.6550**, and if you desaturate by 10%, it is **12.8361, 7.4071, 1.1977**.

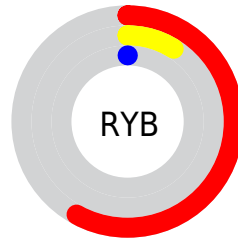
Distribution



Red (58%)

Green (8%)

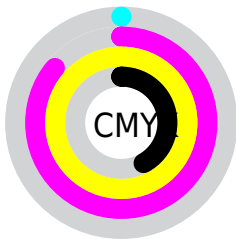
Blue (0%)



Red (58%)

Yellow (9%)

Blue (0%)

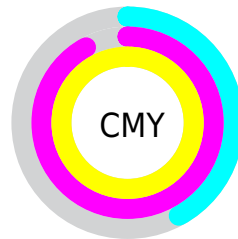


Cyan (0%)

Magenta (86%)

Yellow (100%)

Black (42%)



Cyan (42%)


Magenta (92%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 12.4629, 6.7962, 0.6549 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 12.4629, 6.7962, 0.6549 by changing the saturation by 10% instead.


 12.4629, 6.7962,
0.6549


 12.4629, 6.7962,
0.6549

 201.1541,
165.9594, 96.5224


 7.1342, 3.3350,
0.0000


 29.9450, 19.5620,
4.9617


 3.5932, 1.3090,
0.0000

 42.8291, 29.6354,
9.4910


 1.4747, 0.1482,
0.0000

 58.9624, 42.6817,
16.1731

 0.3085, 0.0000,
0.0000

 78.7103, 59.0852,
25.4263


 0.0000, 0.0000,
0.0000


 102.4380, 79.2303,
37.6693


 130.5110,


103.5014, 53.3207

 163.2946,
132.2830, 72.7988


 12.4629, 6.7962,
0.6549


 12.4629, 6.7962,
0.6549


 12.4630, 6.7966,
0.6550

 12.8361, 7.4071,
1.1977

 13.4038, 8.3112,
2.0995

 14.2086, 9.5482,
3.5166

 15.2737, 11.1466,
5.5114

 16.6195, 13.1319,
8.1373

■ 18.2641, 15.5271,
11.4416

■ 20.2243, 18.3537,
15.4670

■ 22.5155, 21.6314,
20.2529

■ 25.1521, 25.3789,
25.8356

Harmonies

Analogous

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



14.9091, 6.7962, 4.2652



12.4629, 6.7962, 0.6549



8.6600, 6.7962, 0.0000

Triad

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



12.4629, 6.7962, 0.6549



2.1034, 6.7962, 3.0398



7.8494, 6.7962, 43.4349

Complementary

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



12.4629, 6.7962, 0.6549



13.0627, 17.5729, 30.7202

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.



4.6675, 6.7962, 41.7378



12.4629, 6.7962, 0.6549



2.0173, 6.7962, 11.7845

Square

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



12.4629, 6.7962, 0.6549



3.0785, 6.7962, 0.2838



2.7810, 6.7962, 27.4093



11.6978, 6.7962, 31.0131

Rectangle

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



12.4629, 6.7962, 0.6549



6.2628, 6.7962, 0.0000



2.7810, 6.7962, 27.4093



6.6604, 6.7962, 44.6689

Sweetspot

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



12.4630, 6.7966, 0.6550



35.4617, 32.0637, 26.8284



16.1265, 7.8614, 21.1815



7.7804, 6.8665, 5.4750



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.



12.4630, 6.7966, 0.6550



21.9151, 11.8415, 1.1306



16.1917, 14.2539, 1.8979



5.8603, 5.9344, 6.0770



10.6582, 5.8307, 0.5637



0.1426, 0.0958, 0.0110

Inverse Universe

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



13.0627, 17.5729, 30.7202



22.9568, 30.8232, 54.1741



6.6769, 4.8013, 28.5916



5.8980, 6.4299, 7.4000



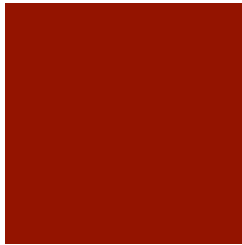
11.1721, 15.0389, 26.2450



0.1516, 0.2138, 0.3262

Previews

White Background



This preview shows how the XYZ color 12.4629, 6.7962, 0.6549 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

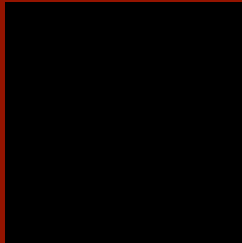
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 12.4629, 6.7962, 0.6549

Background



This preview shows how black text looks on a background with the XYZ color 12.4629, 6.7962, 0.6549.



This preview shows how white text looks on a background with the XYZ color 12.4629, 6.7962,

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

12.4629, 6.7962, 0.6549

Protanopia

6.4399, 7.1439, 1.6117

Deuteranopia

7.1412, 7.1215, 0.9982



Tritanopia

12.5391, 6.7991, 1.1417

Trichromacy



Original Color

12.4629, 6.7962, 0.6549

Protanomaly

7.6589, 6.0407, 1.0789

Deuteranomaly

8.3433, 6.1910, 0.7552

Tritanomaly

12.5004, 6.7836, 0.9377

Monochromacy



Original Color

12.4629, 6.7962, 0.6549

Achromatopsia

3.7589, 3.9546, 4.3066

Achromatomaly

5.3021, 3.9790, 2.1576

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.4629, 6.7962, 0.6549 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, 20, 0)` looks like.

```
.text, #text, p{  
    color:rgb(148, 20, 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, 20, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 20, 0) }
```

Border

The CSS property to change the border of an element to XYZ 12.4629, 6.7962, 0.6549 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, 20, 0) }
```


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

```
.border{ border-color:rgb(148, 20, 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, 20, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(148, 20, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(148, 20, 0);  
box-shadow:4px 4px 4px 4px rgb(148, 20, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 12.4629, 6.7962, 0.6549 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 20, 0) }
```

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

```
.background{ background-color: rgb(148, 20,  
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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