

Converting Colors

XYZ(6.4122, 12.6191, 4.2424)

Have a look what the booklet for
XYZ(6.4122, 12.6191, 4.2424)
contains.

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Color

**XYZ(6.7792, 12.8897,
4.3212)**

Conversions

Conversions Part 1

Format	Color
Hex	00752A
RGB	0, 117, 42
RGB Percent	0%, 46%, 16%
CMY	1.0000, 0.5412, 0.8353
CMYK	1.00, 0.00, 0.64, 0.54
HSL	142°, 100%, 23%
HSV	142°, 100%, 46%
XYZ	6.7792, 12.8897, 4.3212
YIQ	73.4670, -45.6570, -48.1290

Conversions

Conversions Part 2

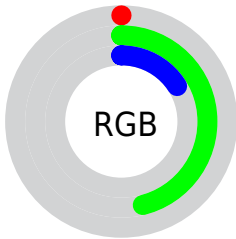
Format	Color
RYB	0, 86, 117
Decimal	29994
CIELab	42.60, -45.22, 32.81
CIELCh	43, 55.864, 144.035
Yxy	12.8897, 0.2826, 0.5373
Android (android.graphics.Color)	4278220074 (0xFF00752A)
YUV	73.4670, -15.5132, -64.4306
Hunter-Lab	35.9022, -29.1238, 17.9954

Details

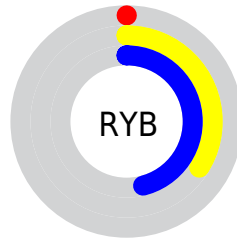
The XYZ color **6.7792, 12.8897, 4.3212** is a dark color, and the websafe version is hex **006600**. A complement of this color would be **8.6065, 4.2901, 7.0314**, and the grayscale version is **6.4473, 6.7831, 7.3868**.

A 20% lighter version of the original color is **19.2007, 31.0241, 14.6491**, and **2.0072, 4.0143, 0.6691** is the 20% darker color. If you saturate the color by 10%, you get **6.7794, 12.8902, 4.3213**, and if you desaturate by 10%, it is **7.0741, 13.0251, 5.1029**.

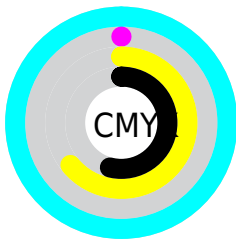
Distribution



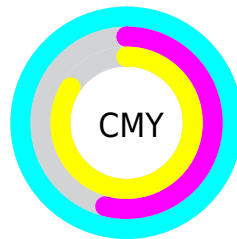
- Red (0%)
- Green (46%)
- Blue (16%)



- Red (0%)
- Yellow (34%)
- Blue (46%)



- Cyan (100%)
- Magenta (0%)
- Yellow (64%)
- Black (54%)





- Cyan (100%)
- Magenta (54%)
- Yellow (84%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 6.7792, 12.8897, 4.3212 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 6.7792, 12.8897, 4.3212 by changing the saturation by 10% instead.


 6.7792, 12.8897,
4.3212


 6.7792, 12.8897,
4.3212


160.4013,
210.2096, 151.7313


 3.3695, 7.3526,
1.8032


 19.2368, 31.1055,
14.7440


 1.3520, 3.6836,
0.4300

 29.0153, 44.5530,
23.4859


 0.2217, 1.4982,
0.0000

 41.6476, 61.4061,
35.1394

 0.0000, 0.2875,
0.0000

 57.4988, 82.0492,
50.1232

 0.0000, 0.0000,
0.0000

 76.9345, 106.8667,
68.8557

 100.3199,

136.2430, 91.7555

128.0203,
170.5625, 119.2412

6.7792, 12.8897,
4.3212

6.7792, 12.8897,
4.3212

6.7794, 12.8902,
4.3213

7.0741, 13.0251,
5.1029

7.4628, 13.2054,
6.0268

7.9979, 13.4581,
7.1020

8.6946, 13.7906,
8.3350

9.5655, 14.2096,
9.7321

■ 10.6225, 14.7209,
11.2991

■ 11.8759, 15.3298,
13.0415

■ 13.3355, 16.0412,
14.9647

■ 15.0105, 16.8597,
17.0736

Harmonies

Analogous

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



9.2296, 12.8897, 1.7021



6.7792, 12.8897, 4.3212



5.8142, 12.8897, 11.7516

Triad

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



6.7792, 12.8897, 4.3212



11.4257, 12.8897, 52.2597



21.2765, 12.8897, 6.5274

Complementary

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



6.7792, 12.8897, 4.3212



8.6065, 4.2901, 7.0314

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.



22.2456, 12.8897, 16.5958



6.7792, 12.8897, 4.3212



15.8696, 12.8897, 47.8436

Square

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



6.7792, 12.8897, 4.3212



8.0703, 12.8897, 42.5701



20.0791, 12.8897, 32.6288



17.6726, 12.8897, 2.3664

Rectangle

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



6.7792, 12.8897, 4.3212



5.9359, 12.8897, 20.4719



20.0791, 12.8897, 32.6288



21.9513, 12.8897, 9.1118

Sweetspot

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



6.7795, 12.8902, 4.3215



21.0781, 27.3590, 23.0987



9.3462, 14.2617, 2.2603



4.6692, 6.2042, 5.0682



57.3938, 60.3827, 65.7568



6.9614, 7.3239, 7.9757

Same Dimension

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



6.7795, 12.8902, 4.3215



12.0790, 23.0576, 7.4188



8.6354, 13.6326, 14.0942



3.6899, 4.1179, 4.2010



7.4622, 14.1989, 4.7242



35.9876, 69.0423, 21.0377

Inverse Universe

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



8.6065, 4.2901, 7.0314



15.3451, 7.6556, 12.2431



7.4420, 3.8243, 0.8992



3.7735, 3.7367, 4.3340



9.4745, 4.7235, 7.7071



45.7504, 22.8503, 35.3448

Previews

White Background



This preview shows how the XYZ color 6.7792, 12.8897, 4.3212 looks on a white background.

Color Contrast Check

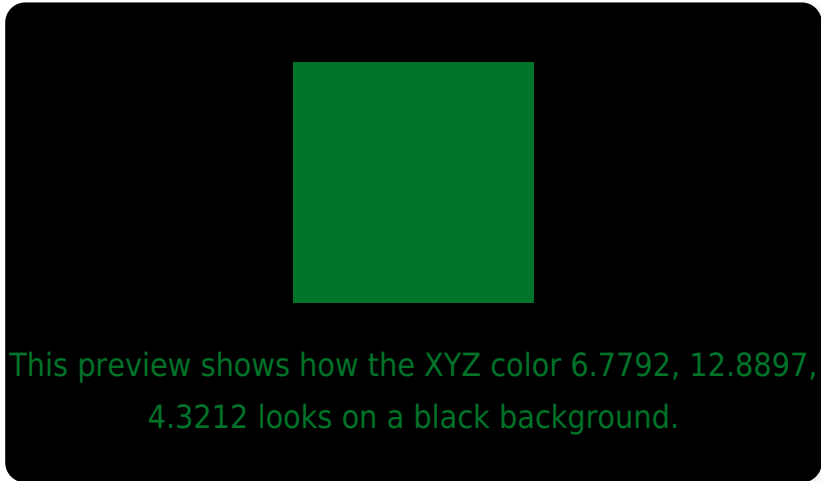
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

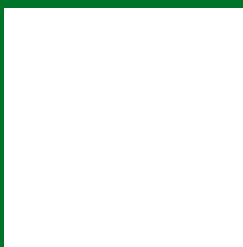
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 6.7792, 12.8897, 4.3212

Background



This preview shows how black text looks on a background with the XYZ color 6.7792, 12.8897, 4.3212.



This preview shows how white text looks on a background with the XYZ color 6.7792, 12.8897,

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

6.7792, 12.8897, 4.3212

Protanopia

11.6697, 12.8857, 3.6224

Deuteranopia

13.0494, 12.8726, 4.7026



Tritanopia

10.0182, 13.0642, 19.1332

Trichromacy



Original Color

6.7792, 12.8897, 4.3212



Protanomaly

8.2224, 12.0015, 3.8026



Deuteranomaly

8.6679, 11.7602, 4.3979



Tritanomaly

8.2860, 12.8245, 11.7115

Monochromacy



Original Color

6.7792, 12.8897, 4.3212



Achromatopsia

6.3328, 6.6626, 7.2556



Achromatomaly

5.5686, 8.0734, 5.8223

CSS Examples

Text

The CSS property to change the color of the text to XYZ 6.7792, 12.8897, 4.3212 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(0, 117, 42)` looks like.

```
.text, #text, p{  
    color:rgb(0, 117, 42)  
}
```

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(0, 117, 42) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 117, 42) }
```

Border

The CSS property to change the border of an element to XYZ 6.7792, 12.8897, 4.3212 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(0, 117, 42) }
```


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

```
.border{ border-color:rgb(0, 117, 42) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 117, 42)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 117, 42); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 117, 42);  
box-shadow:4px 4px 4px 4px rgb(0, 117, 42)  
}
```

Background

The CSS property to change the background color of an element to XYZ 6.7792, 12.8897, 4.3212 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 117, 42) }
```

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

```
.background{ background-color: rgb(0, 117,  
42) }
```

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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