

Converting Colors

XYZ(7.9265, 12.4758, 1.9903)

Have a look what the booklet for
XYZ(7.9265, 12.4758, 1.9903)
contains.

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Color

**XYZ(7.9312, 12.5271,
2.0000)**

Conversions

Conversions Part 1

Format	Color
Hex	426F00
RGB	66, 111, 0
RGB Percent	26%, 44%, 0%
CMY	0.7412, 0.5647, 1.0000
CMYK	0.41, 0.00, 1.00, 0.56
HSL	84°, 100%, 22%
HSV	84°, 100%, 44%
XYZ	7.9312, 12.5271, 2.0000
YIQ	84.8910, 8.8110, -44.0610

Conversions

Conversions Part 2

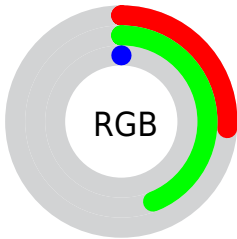
Format	Color
RYB	0, 111, 45
Decimal	4353792
CIELab	42.04, -31.69, 47.30
CIELCh	42, 56.935, 123.818
Yxy	12.5271, 0.3532, 0.5578
Android (android.graphics.Color)	4282543872 (0xFF426F00)
YUV	84.8910, -41.8513, -16.5674
Hunter-Lab	35.3936, -21.9396, 21.4252

Details

The XYZ color **7.9312, 12.5271, 2.0000** is a dark color, and the websafe version is hex **336600**. A complement of this color would be **3.9521, 1.7060, 15.1606**, and the grayscale version is **8.6958, 9.1486, 9.9629**.

A 20% lighter version of the original color is **21.5206, 30.4426, 9.0167**, and **1.8902, 3.6131, 0.5978** is the 20% darker color. If you saturate the color by 10%, you get **7.9312, 12.5275, 2.0000**, and if you desaturate by 10%, it is **8.3078, 12.7146, 2.3362**.

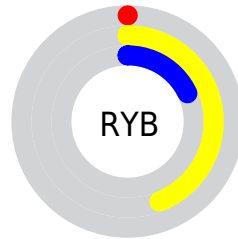
Distribution



Red (26%)

Green (44%)

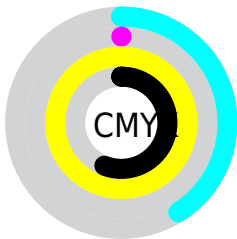
Blue (0%)



Red (0%)

Yellow (44%)

Blue (18%)

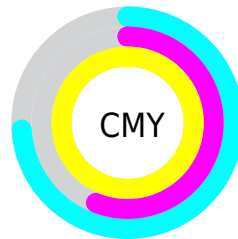


Cyan (41%)

Magenta (0%)

Yellow (100%)

Black (56%)



Cyan (74%)


Magenta (56%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 7.9312, 12.5271, 2.0000 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 7.9312, 12.5271, 2.0000 by changing the saturation by 10% instead.


 7.9312, 12.5271,
2.0000


 7.9312, 12.5271,
2.0000


 169.5731,
207.8643, 122.3768


 4.1024, 7.1037,
0.5553


 21.5102, 30.4515,
9.0408


 1.7602, 3.5271,
0.0000

 31.9910, 43.7214,
15.5291


 0.4935, 1.4127,
0.0000

 45.4200, 60.3755,
24.5540

 0.0000, 0.2260,
0.0000


 62.1623, 80.7983,
36.5340


 0.0000, 0.0000,
0.0000


 82.5835, 105.3742,
51.8878


 107.0487,


134.4876, 71.0338


 135.9235,
168.5228, 94.3906


 7.9312, 12.5271,
2.0000


 7.9312, 12.5271,
2.0000


 7.9312, 12.5275,
2.0000

 8.3078, 12.7146,
2.3362

 8.7333, 12.9240,
2.8039

 9.2299, 13.1648,
3.5162

 9.8034, 13.4392,
4.5007

 10.4588, 13.7495,
5.7814

■ 11.2007, 14.0973,
7.3797

■ 12.0331, 14.4844,
9.3148

■ 12.9599, 14.9125,
11.6047

■ 13.9846, 15.3829,
14.2659

Harmonies

Analogous

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



11.3735, 12.5271, 1.1021



7.9312, 12.5271, 2.0000



6.0001, 12.5271, 5.7307

Triad

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



7.9312, 12.5271, 2.0000



8.6680, 12.5271, 47.0144



21.9988, 12.5271, 12.1476

Complementary

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



7.9312, 12.5271, 2.0000



3.9521, 1.7060, 15.1606

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.



20.7929, 12.5271, 26.7062



7.9312, 12.5271, 2.0000



12.4562, 12.5271, 52.5511

Square

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



7.9312, 12.5271, 2.0000



6.3494, 12.5271, 31.1331



17.0282, 12.5271, 43.5649



20.0177, 12.5271, 4.3525

Rectangle

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



7.9312, 12.5271, 2.0000



5.5155, 12.5271, 11.2834



17.0282, 12.5271, 43.5649



21.9548, 12.5271, 16.3036

Sweetspot

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



7.9315, 12.5276, 2.0003



21.4172, 25.8759, 16.3699



7.4717, 5.2114, 0.6123



5.0251, 6.1607, 3.6484



55.7959, 58.7016, 63.9261



6.5000, 6.8385, 7.4471

Same Dimension

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



7.9315, 12.5276, 2.0003



14.0553, 22.3563, 3.5744



5.8242, 11.4413, 1.9017



3.5173, 3.8520, 3.6315



9.3159, 14.7462, 2.3553



45.4117, 72.9446, 11.6863

Inverse Universe

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



3.9521, 1.7060, 15.1606



6.9375, 2.9829, 27.1399



8.1143, 3.8517, 15.3554



3.3338, 3.3604, 4.2271



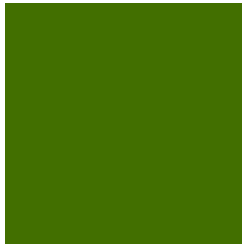
4.6281, 1.9953, 17.8628



22.1300, 9.4628, 88.9393

Previews

White Background



This preview shows how the XYZ color 7.9312, 12.5271, 2.0000 looks on a white background.

Color Contrast Check

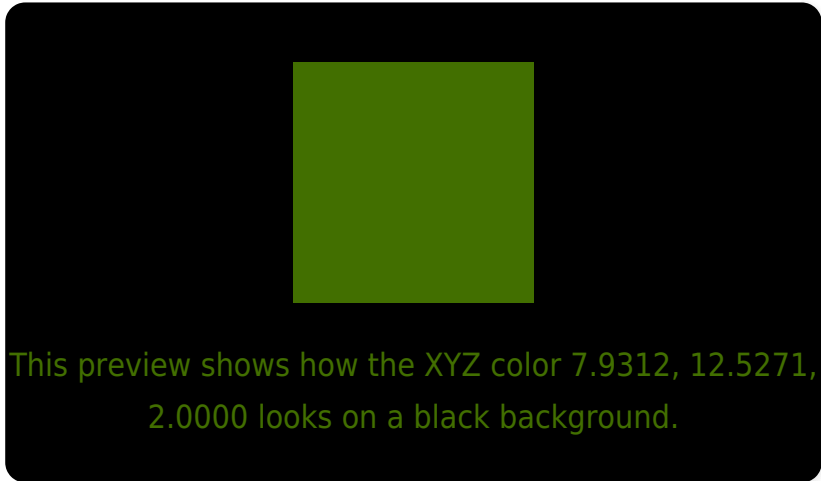
Large Text (above 18pt) WCAG AA ✓ Pass

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 7.9312, 12.5271, 2.0000

Background



This preview shows how black text looks on a background with the XYZ color 7.9312, 12.5271, 2.0000.



This preview shows how white text looks on a background with the XYZ color 7.9312, 12.5271,

2.0000.

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

7.9312, 12.5271, 2.0000

Protanopia

11.1439, 12.3684, 1.8000

Deuteranopia

12.6050, 12.4233, 2.4926



Tritanopia

10.9439, 12.5105, 16.8769

Trichromacy



Original Color

7.9312, 12.5271, 2.0000

Protanomaly

9.5696, 12.1334, 1.8376

Deuteranomaly

10.3454, 12.0891, 2.2036

Tritanomaly

9.1154, 12.2188, 7.8393

Monochromacy



Original Color

7.9312, 12.5271, 2.0000

Achromatopsia

8.6345, 9.0842, 9.8927

Achromatomaly

7.8104, 9.8915, 4.9876

CSS Examples

Text

The CSS property to change the color of the text to XYZ 7.9312, 12.5271, 2.0000 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(66, 111, 0)` looks like.

```
.text, #text, p{  
    color:rgb(66, 111, 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(66, 111, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(66, 111, 0) }
```

Border

The CSS property to change the border of an element to XYZ 7.9312, 12.5271, 2.0000 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(66, 111, 0) }
```


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

```
.border{ border-color:rgb(66, 111, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(66, 111, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(66, 111, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(66, 111, 0);  
box-shadow:4px 4px 4px 4px rgb(66, 111, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 7.9312, 12.5271, 2.0000 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(66, 111, 0) }
```

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

```
.background{ background-color: rgb(66, 111,  
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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