

Converting Colors

XYZ(7.5465, 12.4059, 2.3178)

Have a look what the booklet for
XYZ(7.5465, 12.4059, 2.3178)
contains.

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Color

**XYZ(7.5995, 12.5120,
2.3311)**

Conversions

Conversions Part 1

Format	Color
Hex	3A700B
RGB	58, 112, 11
RGB Percent	23%, 44%, 4%
CMY	0.7725, 0.5608, 0.9568
CMYK	0.48, 0.00, 0.90, 0.56
HSL	92°, 82%, 24%
HSV	92°, 90%, 44%
XYZ	7.5995, 12.5120, 2.3311
YIQ	84.3400, 0.2370, -42.8590

Conversions

Conversions Part 2

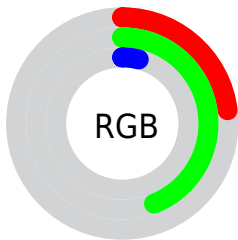
Format	Color
RYB	11, 112, 65
Decimal	3829771
CIELab	42.02, -34.68, 44.50
CIELCh	42, 56.414, 127.929
Yxy	12.5120, 0.3386, 0.5575
Android (android.graphics.Color)	4282019851 (0xFF3A700B)
YUV	84.3400, -36.1566, -23.1002
Hunter-Lab	35.3723, -23.5520, 20.8533

Details

The XYZ color **7.5995, 12.5120, 2.3311** is a dark color, and the websafe version is hex **336600**. A complement of this color would be **5.2249, 2.5334, 15.5435**, and the grayscale version is **8.5702, 9.0165, 9.8190**.

A 20% lighter version of the original color is **20.8144, 30.3238, 9.9103**, and **1.7775, 3.5550, 0.5925** is the 20% darker color. If you saturate the color by 10%, you get **7.2166, 12.3220, 1.9980**, and if you desaturate by 10%, it is **8.0549, 12.7372, 2.8035**.

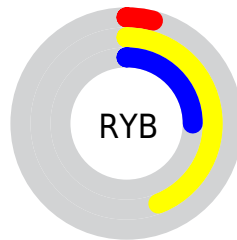
Distribution



Red (23%)

Green (44%)

Blue (4%)



Red (4%)

Yellow (44%)

Blue (25%)

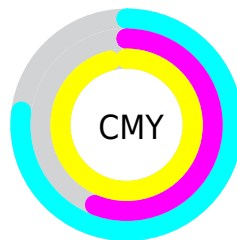


Cyan (48%)

Magenta (0%)

Yellow (90%)

Black (56%)



Cyan (77%)

Magenta (56%)

Yellow (96%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 7.5995, 12.5120, 2.3311 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 7.5995, 12.5120, 2.3311 by changing the saturation by 10% instead.

7.5995, 12.5120,
2.3311

7.5995, 12.5120,
2.3311

166.9946,
207.7660, 127.3230

3.8894, 7.0934,
0.7486

20.8625, 30.4242,
9.9277

1.6398, 3.5206,
0.0000

31.1461, 43.6866,
16.7945

0.4181, 1.4092,
0.0000

44.3516, 60.3324,
26.2651

0.0000, 0.2235,
0.0000

60.8443, 80.7460,
38.7580


0.0000, 0.0000,
0.0000


80.9896, 105.3118,
54.6917


105.1528,


134.4141, 74.4847


 133.6994,
168.4374, 98.5557


 7.5995, 12.5120,
2.3311


 7.5995, 12.5120,
2.3311


 7.2166, 12.3220,
1.9980

 8.0549, 12.7372,
2.8035

 8.5988, 13.0022,
3.5253

 9.2383, 13.3104,
4.5253

 9.9792, 13.6643,
5.8280

 10.8269, 14.0661,
7.4555

■ 11.7861, 14.5179,
9.4276

■ 12.8615, 15.0217,
11.7626

■ 14.0572, 15.5793,
14.4774

■ 15.3774, 16.1924,
17.5879

Harmonies

Analogous

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



10.8162, 12.5120, 1.1719



7.5995, 12.5120, 2.3311



5.8845, 12.5120, 6.6684

Triad

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



7.5995, 12.5120, 2.3311



9.1173, 12.5120, 48.0916



21.7770, 12.5120, 10.6848

Complementary

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



7.5995, 12.5120, 2.3311



5.2249, 2.5334, 15.5435

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.



21.0184, 12.5120, 24.2491



7.5995, 12.5120, 2.3311



13.0374, 12.5120, 51.5775

Square

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



7.5995, 12.5120, 2.3311



6.6067, 12.5120, 33.2704



17.5570, 12.5120, 41.0902



19.4369, 12.5120, 3.7994

Rectangle

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



7.5995, 12.5120, 2.3311



5.5264, 12.5120, 12.8074



17.5570, 12.5120, 41.0902



21.8845, 12.5120, 14.4734

Sweetspot

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



7.5998, 12.5125, 2.3314



21.1512, 25.7132, 17.5128



8.6256, 7.2348, 1.2586



4.9702, 6.1252, 3.9704



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.



7.5998, 12.5125, 2.3314



12.5374, 21.5737, 3.5034



6.0143, 11.6927, 2.3687



3.4789, 3.8322, 3.6297



8.3164, 14.2310, 2.3085



40.4507, 70.3871, 11.4541

Inverse Universe

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



5.2249, 2.5334, 15.5435



8.2566, 3.6629, 27.2016



9.5428, 4.7806, 14.7851



3.3720, 3.3801, 4.2289



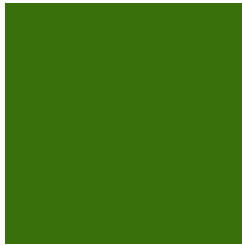
5.5008, 2.4452, 17.9036



26.3981, 11.6631, 89.1390

Previews

White Background



This preview shows how the XYZ color 7.5995, 12.5120, 2.3311 looks on a white background.

Color Contrast Check

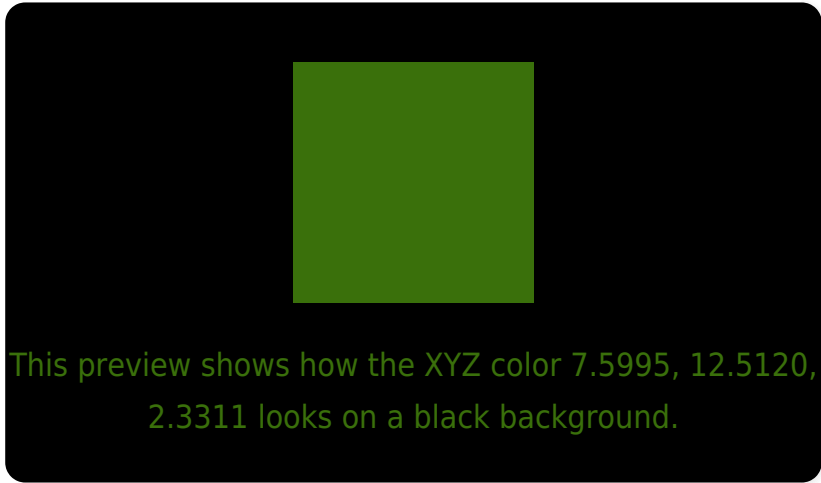
Large Text (above 18pt) WCAG AA ✓ Pass

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 7.5995, 12.5120, 2.3311

Background



This preview shows how black text looks on a background with the XYZ color 7.5995, 12.5120, 2.3311.



This preview shows how white text looks on a background with the XYZ color 7.5995, 12.5120,

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

7.5995, 12.5120, 2.3311

Protanopia

11.0393, 12.3120, 1.9095

Deuteranopia

12.4904, 12.3607, 2.6472



Tritanopia

10.6034, 12.4706, 17.4710

Trichromacy



Original Color

7.5995, 12.5120, 2.3311

Protanomaly

9.4023, 12.1913, 2.0586

Deuteranomaly

10.0355, 12.0672, 2.4621

Tritanomaly

8.8769, 12.2305, 8.7303

Monochromacy



Original Color

7.5995, 12.5120, 2.3311

Achromatopsia

8.4267, 8.8656, 9.6546

Achromatomaly

7.6429, 9.7967, 5.3590

CSS Examples

Text

The CSS property to change the color of the text to XYZ 7.5995, 12.5120, 2.3311 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(58, 112, 11)` looks like.

```
.text, #text, p{  
    color:rgb(58, 112, 11)  
}
```

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(58, 112, 11) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(58, 112, 11) }
```

Border

The CSS property to change the border of an element to XYZ 7.5995, 12.5120, 2.3311 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(58, 112, 11) }
```


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

```
.border{ border-color:rgb(58, 112, 11) }
```

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

Here you see how a box with a 4 pixel `rgb(58, 112, 11)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(58, 112, 11); -webkit-box-  
shadow:4px 4px 4px 4px rgb(58, 112, 11);  
box-shadow:4px 4px 4px 4px rgb(58, 112,  
11) }
```

Background

The CSS property to change the background color of an element to XYZ 7.5995, 12.5120, 2.3311 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(58, 112, 11) }
```

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

```
.background{ background-color: rgb(58, 112,  
11) }
```

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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