

Converting Colors

XYZ(7.9003, 13.8764, 2.2620)

Have a look what the booklet for
XYZ(7.9003, 13.8764, 2.2620)
contains.

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Color

**XYZ(7.9122, 13.8718,
2.2605)**

Conversions

Conversions Part 1

Format	Color
Hex	327700
RGB	50, 119, 0
RGB Percent	20%, 47%, 0%
CMY	0.8039, 0.5333, 1.0000
CMYK	0.58, 0.00, 1.00, 0.53
HSL	95°, 100%, 23%
HSV	95°, 100%, 47%
XYZ	7.9122, 13.8718, 2.2605
YIQ	84.8030, -2.9250, -51.6370

Conversions

Conversions Part 2

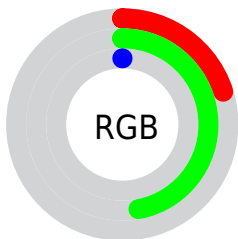
Format	Color
RYB	0, 119, 69
Decimal	3307264
CIELab	44.05, -40.51, 48.56
CIELCh	44, 63.243, 129.835
Yxy	13.8718, 0.3291, 0.5769
Android (android.graphics.Color)	4281497344 (0xFF327700)
YUV	84.8030, -41.8079, -30.5222
Hunter-Lab	37.2449, -27.2584, 22.4729

Details

The XYZ color **7.9122, 13.8718, 2.2605** is a dark color, and the websafe version is hex **006600**. A complement of this color would be **5.7850, 2.5977, 17.6501**, and the grayscale version is **8.6789, 9.1309, 9.9436**.

A 20% lighter version of the original color is **21.4477, 32.8561, 9.7689**, and **2.1281, 4.2562, 0.7094** is the 20% darker color. If you saturate the color by 10%, you get **7.9123, 13.8723, 2.2606**, and if you desaturate by 10%, it is **8.3446, 14.0875, 2.6242**.

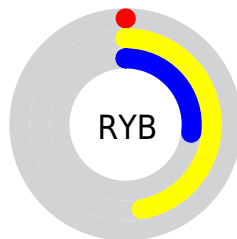
Distribution



Red (20%)

Green (47%)

Blue (0%)



Red (0%)

Yellow (47%)

Blue (27%)

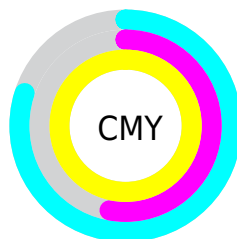


Cyan (58%)

Magenta (0%)

Yellow (100%)

Black (53%)



Cyan (80%)

Magenta (53%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 7.9122, 13.8718, 2.2605 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 7.9122, 13.8718, 2.2605 by changing the saturation by 10% instead.

■ 7.9122, 13.8718,
2.2605

■ 7.9122, 13.8718,
2.2605

169.4266,
216.4318, 126.2990

■ 4.0901, 8.0316,
0.7090

■ 21.4732, 32.8614,
9.7415

■ 1.7533, 4.1151,
0.0000

■ 31.9429, 46.7795,
16.5299

■ 0.4893, 1.7382,
0.0000

■ 45.3591, 64.1591,
25.9083

■ 0.0000, 0.4482,
0.0000

■ 62.0873, 85.3844,
38.2952


■ 0.0000, 0.0000,
0.0000


■ 82.4928, 110.8400,
54.1092


■ 106.9410,


140.9101, 73.7688


 135.7971,
175.9793, 97.6926


 7.9122, 13.8718,
2.2605


 7.9122, 13.8718,
2.2605


 7.9123, 13.8723,
2.2606

 8.3446, 14.0875,
2.6242

 8.8614, 14.3428,
3.1551

 9.4878, 14.6482,
3.9731

 10.2320, 15.0074,
5.1115

 11.1011, 15.4235,
6.5991

■ 12.1019, 15.8992,
8.4612

■ 13.2403, 16.4372,
10.7211

■ 14.5221, 17.0400,
13.4000

■ 15.9523, 17.7098,
16.5177

Harmonies

Analogous

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



11.6019, 13.8718, 0.9531



7.9122, 13.8718, 2.2605



6.0342, 13.8718, 7.4305

Triad

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



7.9122, 13.8718, 2.2605



10.1258, 13.8718, 58.8325



25.1840, 13.8718, 10.8524

Complementary

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



7.9122, 13.8718, 2.2605



5.7850, 2.5977, 17.6501

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.



24.4970, 13.8718, 26.7961



7.9122, 13.8718, 2.2605



14.9054, 13.8718, 62.0839

Square

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



7.9122, 13.8718, 2.2605



7.0686, 13.8718, 40.6774



20.3953, 13.8718, 47.8873



22.0858, 13.8718, 3.4065

Rectangle

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



7.9122, 13.8718, 2.2605



5.6892, 13.8718, 15.0244



20.3953, 13.8718, 47.8873



25.4032, 13.8718, 15.1840

Sweetspot

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



7.9125, 13.8724, 2.2608



23.5431, 29.3551, 18.8608



9.6414, 7.9887, 1.0340



5.4093, 6.8765, 4.1272



59.0181, 62.0916, 67.6177



7.4413, 7.8288, 8.5256

Same Dimension

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



7.9125, 13.8724, 2.2608



14.0162, 24.7619, 4.0408



6.6407, 13.2117, 2.4281



3.7729, 4.1664, 3.9476



8.3954, 14.7323, 2.4011



39.9787, 71.3115, 11.6574

Inverse Universe

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



5.7850, 2.5977, 17.6501



10.1988, 4.5688, 31.5974



10.4813, 5.0715, 15.4855



3.6850, 3.6849, 4.6073



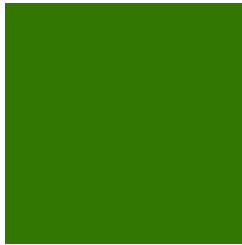
6.1346, 2.7538, 18.7508



28.9014, 12.9077, 91.3285

Previews

White Background



This preview shows how the XYZ color 7.9122, 13.8718, 2.2605 looks on a white background.

Color Contrast Check

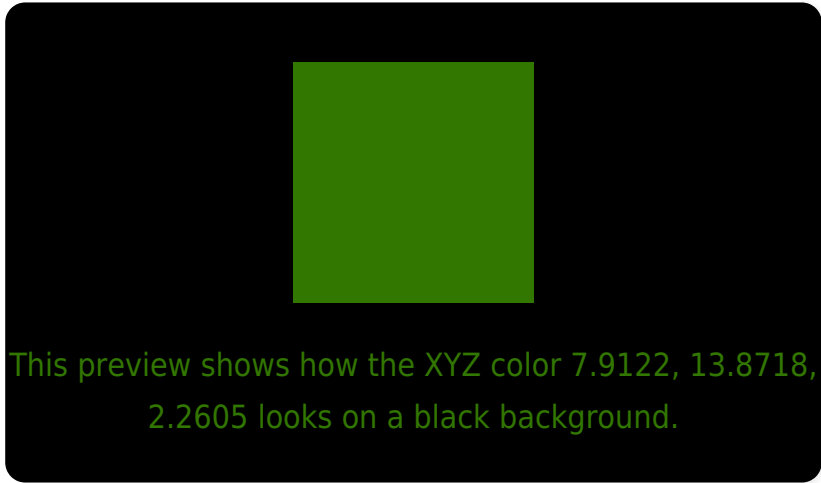
Large Text (above 18pt) WCAG AA ✓ Pass

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 7.9122, 13.8718, 2.2605

Background



This preview shows how black text looks on a background with the XYZ color 7.9122, 13.8718, 2.2605.



This preview shows how white text looks on a background with the XYZ color 7.9122, 13.8718,

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

7.9122, 13.8718, 2.2605

Protanopia

12.2864, 13.6825, 1.9934

Deuteranopia

13.9032, 13.6308, 2.8179



Tritanopia

11.5288, 13.9902, 19.8620

Trichromacy



Original Color

7.9122, 13.8718, 2.2605

Protanomaly

9.9828, 13.2644, 2.0341

Deuteranomaly

10.7271, 13.1703, 2.4670

Tritanomaly

9.3084, 13.5806, 8.9682

Monochromacy



Original Color

7.9122, 13.8718, 2.2605

Achromatopsia

8.6345, 9.0842, 9.8927

Achromatomaly

7.6130, 10.1934, 5.0563

CSS Examples

Text

The CSS property to change the color of the text to XYZ 7.9122, 13.8718, 2.2605 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(50, 119, 0)` looks like.

```
.text, #text, p{  
    color:rgb(50, 119, 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(50, 119, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(50, 119, 0) }
```

Border

The CSS property to change the border of an element to XYZ 7.9122, 13.8718, 2.2605 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(50, 119, 0) }
```


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

```
.border{ border-color:rgb(50, 119, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(50, 119, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(50, 119, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(50, 119, 0);  
box-shadow:4px 4px 4px 4px rgb(50, 119, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 7.9122, 13.8718, 2.2605 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(50, 119, 0) }
```

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

```
.background{ background-color: rgb(50, 119,  
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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