

Converting Colors

XYZ(8.0210, 12.4580, 2.5020)

Have a look what the booklet for
XYZ(8.0210, 12.4580, 2.5020)
contains.

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Color

**XYZ(7.9918, 12.3856,
2.4998)**

Conversions

Conversions Part 1

Format	Color
Hex	436E11
RGB	67, 110, 17
RGB Percent	26%, 43%, 7%
CMY	0.7373, 0.5686, 0.9333
CMYK	0.39, 0.00, 0.85, 0.57
HSL	88°, 73%, 25%
HSV	88°, 85%, 43%
XYZ	7.9918, 12.3856, 2.4998
YIQ	86.5410, 4.2250, -38.0390

Conversions

Conversions Part 2

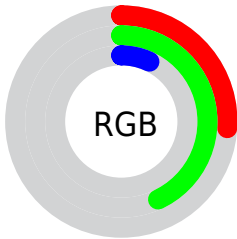
Format	Color
RYB	17, 110, 60
Decimal	4419089
CIELab	41.82, -30.19, 42.85
CIELCh	42, 52.416, 125.164
Yxy	12.3856, 0.3493, 0.5414
Android (android.graphics.Color)	4282609169 (0xFF436E11)
YUV	86.5410, -34.2837, -17.1375
Hunter-Lab	35.1932, -21.0536, 20.4238

Details

The XYZ color **7.9918, 12.3856, 2.4998** is a dark color, and the websafe version is hex **336600**. A complement of this color would be **4.8791, 2.4878, 14.9756**, and the grayscale version is **9.0314, 9.5017, 10.3474**.

A 20% lighter version of the original color is **21.6023, 30.1923, 10.3194**, and **1.9037, 3.5386, 0.5827** is the 20% darker color. If you saturate the color by 10%, you get **7.5902, 12.1869, 2.1247**, and if you desaturate by 10%, it is **8.4647, 12.6173, 3.0882**.

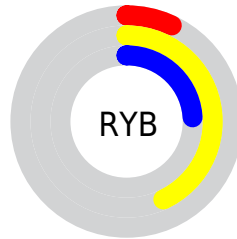
Distribution



Red (26%)

Green (43%)

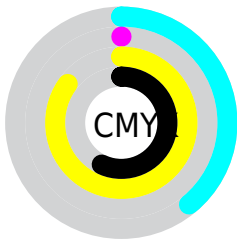
Blue (7%)



Red (7%)

Yellow (43%)

Blue (24%)

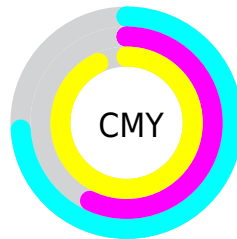


Cyan (39%)

Magenta (0%)

Yellow (85%)

Black (57%)



Cyan (74%)

Magenta (57%)

Yellow (93%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 7.9918, 12.3856, 2.4998 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 7.9918, 12.3856, 2.4998 by changing the saturation by 10% instead.

■ 7.9918, 12.3856,
2.4998

■ 7.9918, 12.3856,
2.4998

170.0391,
206.9416, 129.7100

■ 4.1415, 7.0069,
0.8401

■ 21.6279, 30.1955,
10.3670

■ 1.7825, 3.4664,
0.0000

■ 32.1445, 43.3954,
17.4168

■ 0.5071, 1.3798,
0.0000

■ 45.6137, 59.9712,
27.1020

■ 0.0000, 0.2018,
0.0000

■ 62.4011, 80.3072,
39.8414

■ 0.0000, 0.0000,
0.0000

■ 82.8720, 104.7879,
56.0533

■ 107.3918,

133.7975, 76.1564

136.3257,
167.7207, 100.5691

7.9918, 12.3856,
2.4998

7.9918, 12.3856,
2.4998

7.5902, 12.1869,
2.1247

8.4647, 12.6173,
3.0882

7.3879, 12.0863,
1.9435

9.0170, 12.8839,
3.9316

9.6543, 13.1882,
5.0550

10.3815, 13.5323,
6.4806

11.2031, 13.9180,
8.2280

■ 12.1231, 14.3470,
10.3153

■ 13.1453, 14.8210,
12.7592

■ 14.2734, 15.3414,
15.5755

■ 15.5107, 15.9096,
18.7787

Harmonies

Analogous

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



11.1162, 12.3856, 1.4578



7.9918, 12.3856, 2.4998



6.2364, 12.3856, 6.3791

Triad

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



7.9918, 12.3856, 2.4998



8.9199, 12.3856, 43.4656



20.8269, 12.3856, 11.6605

Complementary

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



7.9918, 12.3856, 2.4998



4.8791, 2.4878, 14.9756

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.



19.8808, 12.3856, 24.5387



7.9918, 12.3856, 2.4998



12.4533, 12.3856, 47.7004

Square

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



7.9918, 12.3856, 2.4998



6.6843, 12.3856, 29.8201



16.5887, 12.3856, 39.4207



18.9478, 12.3856, 4.5704

Rectangle

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



7.9918, 12.3856, 2.4998



5.8138, 12.3856, 11.7708



16.5887, 12.3856, 39.4207



20.8323, 12.3856, 15.3599

Sweetspot

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



7.9921, 12.3861, 2.5001



21.0988, 25.1064, 17.6715



8.0884, 6.4686, 1.3528



4.8091, 5.7955, 3.8805



54.2243, 57.0482, 62.1254



6.0569, 6.3724, 6.9395

Same Dimension

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



7.9921, 12.3861, 2.5001



12.8342, 21.1530, 3.4065



6.0007, 11.3596, 2.4069



3.5003, 3.8433, 3.6307



8.8408, 14.5013, 2.3331



43.0362, 71.7200, 11.5751

Inverse Universe

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



4.8791, 2.4878, 14.9756



7.1918, 3.1365, 26.1336



8.8823, 4.5516, 15.1629



3.3505, 3.3690, 4.2279



4.9798, 2.1766, 17.8793



23.8314, 10.3399, 89.0189

Previews

White Background



This preview shows how the XYZ color 7.9918, 12.3856, 2.4998 looks on a white background.

Color Contrast Check

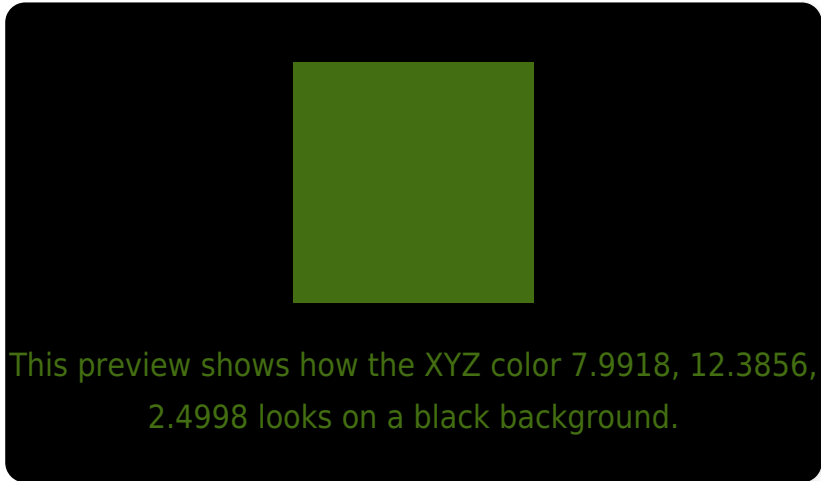
Large Text (above 18pt) WCAG AA ✓ Pass

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 7.9918, 12.3856, 2.4998

Background



This preview shows how black text looks on a background with the XYZ color 7.9918, 12.3856, 2.4998.



This preview shows how white text looks on a background with the XYZ color 7.9918, 12.3856,

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

7.9918, 12.3856, 2.4998

Protanopia

11.0967, 12.3349, 2.2115

Deuteranopia

12.4244, 12.1929, 2.7355



Tritanopia

10.8451, 12.3127, 16.8439

Trichromacy



Original Color

7.9918, 12.3856, 2.4998

Protanomaly

9.6558, 12.1679, 2.2917

Deuteranomaly

10.2100, 11.8691, 2.5635

Tritanomaly

9.2928, 12.1348, 8.8737

Monochromacy



Original Color

7.9918, 12.3856, 2.4998

Achromatopsia

9.0590, 9.5307, 10.3790

Achromatomaly

8.2700, 10.2377, 6.0976

CSS Examples

Text

The CSS property to change the color of the text to XYZ 7.9918, 12.3856, 2.4998 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(67, 110, 17)` looks like.

```
.text, #text, p{  
    color:rgb(67, 110, 17)  
}
```

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(67, 110, 17) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(67, 110, 17) }
```

Border

The CSS property to change the border of an element to XYZ 7.9918, 12.3856, 2.4998 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(67, 110, 17) }
```


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

```
.border{ border-color:rgb(67, 110, 17) }
```

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

Here you see how a box with a 4 pixel `rgb(67, 110, 17)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(67, 110, 17); -webkit-box-  
shadow:4px 4px 4px 4px rgb(67, 110, 17);  
box-shadow:4px 4px 4px 4px rgb(67, 110,  
17) }
```

Background

The CSS property to change the background color of an element to XYZ 7.9918, 12.3856, 2.4998 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(67, 110, 17) }
```

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

```
.background{ background-color: rgb(67, 110,  
17) }
```

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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