

Converting Colors

XYZ(9.9219, 15.4919, 2.4673)

Have a look what the booklet for
XYZ(9.9219, 15.4919, 2.4673)
contains.

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Color

**XYZ(9.8612, 15.4149,
2.4556)**

Conversions

Conversions Part 1

Format	Color
Hex	4B7A00
RGB	75, 122, 0
RGB Percent	29%, 48%, 0%
CMY	0.7059, 0.5216, 1.0000
CMYK	0.39, 0.00, 1.00, 0.52
HSL	83°, 100%, 24%
HSV	83°, 100%, 48%
XYZ	9.8612, 15.4149, 2.4556
YIQ	94.0390, 11.1500, -47.9060

Conversions

Conversions Part 2

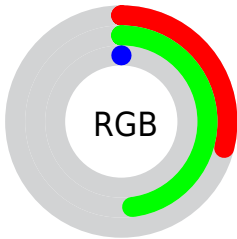
Format	Color
RYB	0, 122, 47
Decimal	4946432
CIELab	46.20, -33.15, 50.73
CIELCh	46, 60.599, 123.160
Yxy	15.4149, 0.3556, 0.5559
Android (android.graphics.Color)	4283136512 (0xFF4B7A00)
YUV	94.0390, -46.3612, -16.6972
Hunter-Lab	39.2618, -23.8752, 23.7750

Details

The XYZ color **9.8612, 15.4149, 2.4556** is a dark color, and the websafe version is hex **336600**. A complement of this color would be **4.6858, 2.0099, 18.5542**, and the grayscale version is **10.7535, 11.3136, 12.3205**.

A 20% lighter version of the original color is **25.2804, 35.6860, 10.2583**, and **2.6710, 4.9138, 0.8077** is the 20% darker color. If you saturate the color by 10%, you get **9.8613, 15.4155, 2.4557**, and if you desaturate by 10%, it is **10.3105, 15.6392, 2.8297**.

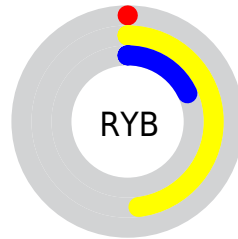
Distribution



Red (29%)

Green (48%)

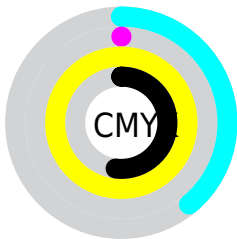
Blue (0%)



Red (0%)

Yellow (48%)

Blue (18%)

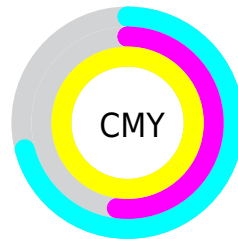


Cyan (39%)

Magenta (0%)

Yellow (100%)

Black (52%)



Cyan (71%)

Magenta (52%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 9.8612, 15.4149, 2.4556 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 9.8612, 15.4149, 2.4556 by changing the saturation by 10% instead.

■ 9.8612, 15.4149,
2.4556

■ 9.8612, 15.4149,
2.4556

183.7529,
225.8639, 129.0924

■ 5.3686, 9.1111,
0.8165

■ 25.1862, 35.5794,
10.2526

■ 2.5021, 4.8137,
0.0000

■ 36.7492, 50.2089,
17.2551

■ 0.8963, 2.1384,
0.0000

■ 51.3998, 68.3824,
26.8848

■ 0.0000, 0.6861,
0.0000


■ 69.5032, 90.4843,
39.5605


■ 0.0000, 0.0000,
0.0000


■ 91.4249, 116.8990,
55.7005


■ 117.5302,


148.0109, 75.7235


 148.1844,
184.2045, 100.0479


 9.8612, 15.4149,
2.4556


 9.8612, 15.4149,
2.4556


 9.8613, 15.4155,
2.4557

 10.3105, 15.6392,
2.8297

 10.8212, 15.8907,
3.3834

 11.4172, 16.1797,
4.2394

 12.1060, 16.5091,
5.4330

 12.8938, 16.8814,
6.9948

■ 13.7862, 17.2991,
8.9520

■ 14.7884, 17.7642,
11.3290

■ 15.9052, 18.2787,
14.1485

■ 17.1410, 18.8444,
17.4312

Harmonies

Analogous

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



14.1105, 15.4149, 1.3888



9.8612, 15.4149, 2.4556



7.4541, 15.4149, 6.9361

Triad

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



9.8612, 15.4149, 2.4556



10.6078, 15.4149, 57.1261



26.9791, 15.4149, 15.2641

Complementary

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



9.8612, 15.4149, 2.4556



4.6858, 2.0099, 18.5542

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.



25.4246, 15.4149, 33.1880



9.8612, 15.4149, 2.4556



15.2059, 15.4149, 64.2407

Square

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



9.8612, 15.4149, 2.4556



7.8086, 15.4149, 37.6543



20.7854, 15.4149, 53.6502



24.6419, 15.4149, 5.5355

Rectangle

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



9.8612, 15.4149, 2.4556



6.8350, 15.4149, 13.6183



20.7854, 15.4149, 53.6502



26.8956, 15.4149, 20.4063

Sweetspot

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



9.8616, 15.4156, 2.4559



25.8810, 31.1887, 19.5998



9.0338, 6.1526, 0.7116



5.7781, 7.0666, 4.1445



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.



9.8616, 15.4156, 2.4559



17.1937, 27.0396, 4.3130



7.1447, 14.0150, 2.3288



4.1652, 4.5605, 4.2852



10.3725, 16.2244, 2.5849



48.5053, 76.8908, 12.2849

Inverse Universe

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



4.6858, 2.0099, 18.5542



8.0992, 3.4614, 32.6341



9.6694, 4.5791, 18.7874



3.9301, 3.9618, 5.0008



4.9240, 2.1112, 19.5333



22.6000, 9.6127, 93.1341

Previews

White Background



This preview shows how the XYZ color 9.8612, 15.4149, 2.4556 looks on a white background.

Color Contrast Check

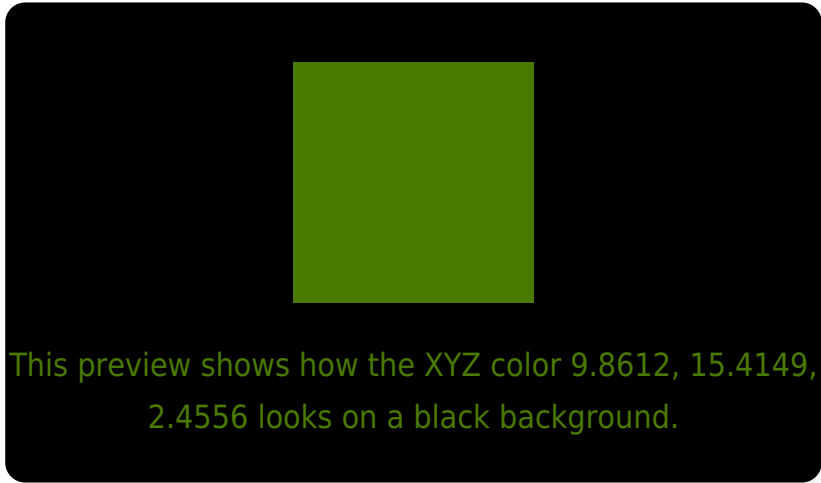
Large Text (above 18pt) WCAG AA ✓ Pass

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

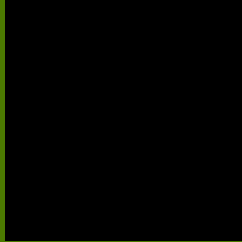
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 9.8612, 15.4149, 2.4556

Background



This preview shows how black text looks on a background with the XYZ color 9.8612, 15.4149, 2.4556.



This preview shows how white text looks on a background with the XYZ color 9.8612, 15.4149,

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

9.8612, 15.4149, 2.4556

Protanopia

13.6370, 15.1482, 2.2052

Deuteranopia

15.4317, 15.2849, 3.0011



Tritanopia

13.4425, 15.2901, 20.6551

Trichromacy



Original Color

9.8612, 15.4149, 2.4556

Protanomaly

11.9612, 15.0988, 2.2839

Deuteranomaly

12.7101, 14.9808, 2.6736

Tritanomaly

11.1878, 14.8798, 9.4902

Monochromacy



Original Color

9.8612, 15.4149, 2.4556

Achromatopsia

10.6392, 11.1932, 12.1894

Achromatomaly

9.6964, 12.2531, 6.1290

CSS Examples

Text

The CSS property to change the color of the text to XYZ 9.8612, 15.4149, 2.4556 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(75, 122, 0)` looks like.

```
.text, #text, p{  
    color:rgb(75, 122, 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(75, 122, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(75, 122, 0) }
```

Border

The CSS property to change the border of an element to XYZ 9.8612, 15.4149, 2.4556 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(75, 122, 0) }
```


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

```
.border{ border-color:rgb(75, 122, 0) }
```

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

Here you see how a box with a 4 pixel rgb(75, 122, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(75, 122, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(75, 122, 0);  
box-shadow:4px 4px 4px 4px rgb(75, 122, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 9.8612, 15.4149, 2.4556 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(75, 122, 0) }
```

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

```
.background{ background-color: rgb(75, 122,  
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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