

Converting Colors

XYZ(8.8227, 14.9541, 2.4217)

Have a look what the booklet for
XYZ(8.8227, 14.9541, 2.4217)
contains.

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Color

**XYZ(8.7632, 14.8489,
2.4043)**

Conversions

Conversions Part 1

Format	Color
Hex	3B7A00
RGB	59, 122, 0
RGB Percent	23%, 48%, 0%
CMY	0.7686, 0.5216, 1.0000
CMYK	0.52, 0.00, 1.00, 0.52
HSL	91°, 100%, 24%
HSV	91°, 100%, 48%
XYZ	8.7632, 14.8489, 2.4043
YIQ	89.2550, 1.6140, -51.2980

Conversions

Conversions Part 2

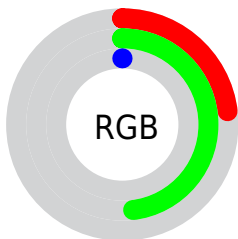
Format	Color
RYB	0, 122, 63
Decimal	3897856
CIELab	45.43, -38.89, 49.80
CIELCh	45, 63.184, 127.988
Yxy	14.8489, 0.3368, 0.5708
Android (android.graphics.Color)	4282087936 (0xFF3B7A00)
YUV	89.2550, -44.0027, -26.5336
Hunter-Lab	38.5343, -26.8417, 23.2747

Details

The XYZ color **8.7632, 14.8489, 2.4043** is a dark color, and the websafe version is hex **336600**. A complement of this color would be **5.5638, 2.4626, 18.5953**, and the grayscale version is **9.6471, 10.1495, 11.0528**.

A 20% lighter version of the original color is **23.1666, 34.5962, 10.1594**, and **2.3174, 4.6347, 0.7725** is the 20% darker color. If you saturate the color by 10%, you get **8.7632, 14.8494, 2.4043**, and if you desaturate by 10%, it is **9.2274, 15.0809, 2.7791**.

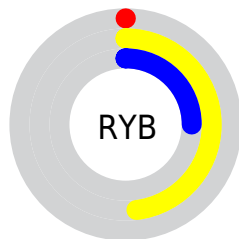
Distribution



Red (23%)

Green (48%)

Blue (0%)



Red (0%)

Yellow (48%)

Blue (25%)

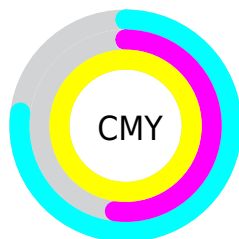


Cyan (52%)

Magenta (0%)

Yellow (100%)

Black (52%)



Cyan (77%)


Magenta (52%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 8.7632, 14.8489, 2.4043 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 8.7632, 14.8489, 2.4043 by changing the saturation by 10% instead.


 8.7632, 14.8489,
2.4043


 8.7632, 14.8489,
2.4043


175.8461,
222.4498, 128.3688


 4.6429, 8.7134,
0.7888


 23.1130, 34.5879,
10.1193


 2.0719, 4.5547,
0.0000

 34.0732, 48.9602,
17.0662


 0.6739, 1.9885,
0.0000


 48.0440, 66.8468,
26.6309

 0.0000, 0.6008,
0.0000


 65.3910, 88.6323,
39.2318


 0.0000, 0.0000,
0.0000


 86.4793, 114.7009,
55.2875


 111.6743,


145.4371, 75.2166


 141.3415,
181.2253, 99.4375


 8.7632, 14.8489,
2.4043


 8.7632, 14.8489,
2.4043


 8.7632, 14.8494,
2.4043

 9.2274, 15.0809,
2.7791

 9.7719, 15.3498,
3.3345

 10.4216, 15.6664,
4.1930

 11.1846, 16.0341,
5.3902

 12.0681, 16.4558,
6.9566

■ 13.0784, 16.9342,
8.9194

■ 14.2215, 17.4719,
11.3031

■ 15.5029, 18.0712,
14.1303

■ 16.9276, 18.7343,
17.4220

Harmonies

Analogous

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



12.7554, 14.8489, 1.1078



8.7632, 14.8489, 2.4043



6.6656, 14.8489, 7.5666

Triad

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



8.7632, 14.8489, 2.4043



10.6550, 14.8489, 60.5699



26.6703, 14.8489, 12.4709

Complementary

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



8.7632, 14.8489, 2.4043



5.5638, 2.4626, 18.5953

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.



25.7062, 14.8489, 29.6196



8.7632, 14.8489, 2.4043



15.5646, 14.8489, 65.0888

Square

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



8.7632, 14.8489, 2.4043



7.5539, 14.8489, 41.3191



21.2906, 14.8489, 51.3788



23.6685, 14.8489, 4.0969

Rectangle

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



8.7632, 14.8489, 2.4043



6.2324, 14.8489, 15.1730



21.2906, 14.8489, 51.3788



26.8109, 14.8489, 17.2054

Sweetspot

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



8.7635, 14.8495, 2.4046



24.8637, 30.6642, 19.5522



9.6955, 7.4759, 0.9322



5.5256, 6.9365, 4.1327



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.



8.7635, 14.8495, 2.4046



15.2603, 26.0429, 4.2225



6.9600, 13.9198, 2.3202



4.1182, 4.5362, 4.2830



9.2163, 15.6284, 2.5308



42.9884, 74.0468, 12.0267

Inverse Universe

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



5.5638, 2.4626, 18.5953



9.6294, 4.2502, 32.7057



11.5395, 5.5432, 18.8749



3.9766, 3.9858, 5.0029



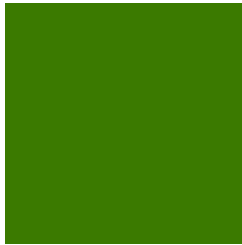
5.8474, 2.5872, 19.5765



26.9058, 11.8324, 93.3356

Previews

White Background



This preview shows how the XYZ color 8.7632, 14.8489, 2.4043 looks on a white background.

Color Contrast Check

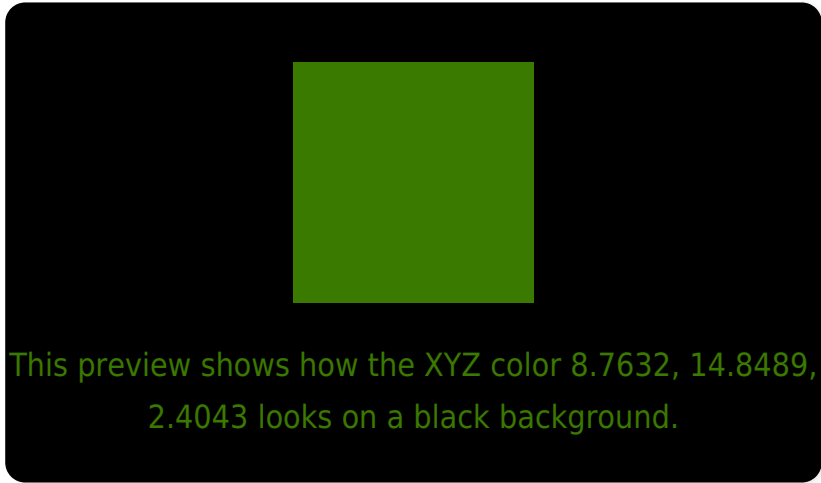
Large Text (above 18pt) WCAG AA ✓ Pass

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 8.7632, 14.8489, 2.4043

Background



This preview shows how black text looks on a background with the XYZ color 8.7632, 14.8489, 2.4043.



This preview shows how white text looks on a background with the XYZ color 8.7632, 14.8489,

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

8.7632, 14.8489, 2.4043

Protanopia

13.1429, 14.5803, 2.1216

Deuteranopia

14.9185, 14.7238, 2.9754



Tritanopia

12.4608, 14.7768, 20.9343

Trichromacy



Original Color

8.7632, 14.8489, 2.4043

Protanomaly

10.8312, 14.1850, 2.1671

Deuteranomaly

11.6256, 14.1005, 2.5991

Tritanomaly

10.1463, 14.3429, 9.4414

Monochromacy



Original Color

8.7632, 14.8489, 2.4043

Achromatopsia

9.4954, 9.9899, 10.8790

Achromatomaly

8.5341, 11.2225, 5.5873

CSS Examples

Text

The CSS property to change the color of the text to XYZ 8.7632, 14.8489, 2.4043 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(59, 122, 0)` looks like.

```
.text, #text, p{  
    color:rgb(59, 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(59, 122, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(59, 122, 0) }
```

Border

The CSS property to change the border of an element to XYZ 8.7632, 14.8489, 2.4043 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(59, 122, 0) }
```


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

```
.border{ border-color:rgb(59, 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(59, 122, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(59, 122, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(59, 122, 0);  
box-shadow:4px 4px 4px 4px rgb(59, 122, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 8.7632, 14.8489, 2.4043 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(59, 122, 0) }
```

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

```
.background{ background-color: rgb(59, 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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