

Converting Colors

XYZ(16.8728, 19.3074, 0.4208)

Have a look what the booklet for
XYZ(16.8728, 19.3074, 0.4208)
contains.

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Color

**XYZ(17.2363, 19.4002,
2.8362)**

Conversions

Conversions Part 1

Format	Color
Hex	887B00
RGB	136, 123, 0
RGB Percent	53%, 48%, 0%
CMY	0.4667, 0.5176, 1.0000
CMYK	0.00, 0.10, 1.00, 0.47
HSL	54°, 100%, 27%
HSV	54°, 100%, 53%
XYZ	17.2363, 19.4002, 2.8362
YIQ	112.8650, 47.2310, -35.4970

Conversions

Conversions Part 2

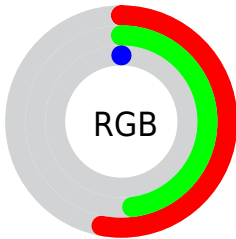
Format	Color
R_{YB}	14, 136, 0
Decimal	8944384
CIE Lab	51.15, -6.44, 56.49
CIE LCh	51, 56.859, 96.500
Yxy	19.4002, 0.4367, 0.4915
Android (android.graphics.Color)	4287134464 (0xFF887B00)
YUV	112.8650, -55.6424, 20.2894
Hunter-Lab	44.0457, -7.2279, 27.0141

Details

The XYZ color **17.2363, 19.4002, 2.8362** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **4.5880, 2.0656, 23.4492**, and the grayscale version is **15.8067, 16.6299, 18.1100**.

A 20% lighter version of the original color is **38.2764, 42.3791, 11.1636**, and **5.9958, 6.8260, 1.0015** is the 20% darker color. If you saturate the color by 10%, you get **17.2366, 19.4009, 2.8363**, and if you desaturate by 10%, it is **17.4756, 19.7564, 3.2940**.

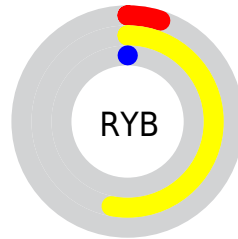
Distribution



Red (53%)

Green (48%)

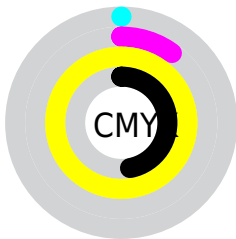
Blue (0%)



Red (5%)

Yellow (53%)

Blue (0%)

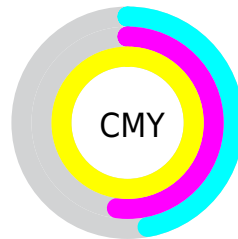


Cyan (0%)

Magenta (10%)

Yellow (100%)

Black (47%)



Cyan (47%)

Magenta (52%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.2363, 19.4002, 2.8362 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 17.2363, 19.4002, 2.8362 by changing the saturation by 10% instead.

■ 17.2363, 19.4002,
2.8362

■ 17.2363, 19.4002,
2.8362

229.6602,
248.6493, 134.2463

■ 10.4995, 11.9598,
1.0116

■ 38.2720, 42.4093,
11.2215

■ 5.7961, 6.7163,
0.0000

■ 53.3015, 58.7467,
18.6193

■ 2.7610, 3.2853,
0.0000

■ 71.8260, 78.8186,
28.7119

■ 1.0287, 1.2824,
0.0000

■ 94.2109, 103.0094,
41.9179


■ 0.0000, 0.1276,
0.0000


■ 120.8213,
131.7035, 58.6558


■ 0.0000, 0.0000,
0.0000


■ 152.0228,


165.2852, 79.3441


 188.1807,
204.1390, 104.4014


 17.2363, 19.4002,
2.8362


 17.2363, 19.4002,
2.8362


 17.2366, 19.4009,
2.8363

 17.4756, 19.7564,
3.2940

 17.7637, 20.1347,
3.9998

 18.1270, 20.5466,
5.0909

 18.5743, 20.9956,
6.6142

 19.1134, 21.4848,
8.6099

■ 19.7511, 22.0168,
11.1135

■ 20.4933, 22.5942,
14.1573

■ 21.3458, 23.2192,
17.7708

■ 22.3137, 23.8940,
21.9813

Harmonies

Analogous

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



23.1205, 19.4002, 3.5075



17.2363, 19.4002, 2.8362



12.7015, 19.4002, 4.6831

Triad

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



17.2363, 19.4002, 2.8362



11.0109, 19.4002, 45.5690



30.3076, 19.4002, 36.1215

Complementary

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



17.2363, 19.4002, 2.8362



4.5880, 2.0656, 23.4492

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.



25.6877, 19.4002, 57.3155



17.2363, 19.4002, 2.8362



14.4369, 19.4002, 64.4461

Square

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



17.2363, 19.4002, 2.8362



9.6128, 19.4002, 24.8461



19.6970, 19.4002, 69.5857



31.4803, 19.4002, 17.7927

Rectangle

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



17.2363, 19.4002, 2.8362



10.7811, 19.4002, 8.1820



19.6970, 19.4002, 69.5857



29.0661, 19.4002, 43.3766

Sweetspot

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



17.2367, 19.4011, 2.8366



36.0238, 39.7487, 24.5667



10.2300, 5.2650, 0.8787



8.2275, 9.1171, 5.2128



65.7814, 69.2071, 75.3665



9.5508, 10.0482, 10.9424

Same Dimension

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



17.2367, 19.4011, 2.8366



30.3148, 34.0674, 4.9779



12.2494, 19.3842, 3.0962



5.3909, 5.7647, 5.3810



16.3177, 18.3699, 2.6857



0.1139, 0.1330, 0.0197

Inverse Universe

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



4.5880, 2.0656, 23.4492



8.0291, 3.5278, 41.3061



5.9871, 2.5733, 23.4734



4.8106, 4.9642, 6.3105



4.3458, 1.9619, 22.1953



0.0332, 0.0218, 0.1489

Previews

White Background



This preview shows how the XYZ color 17.2363, 19.4002, 2.8362 looks on a white 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

Black Background



This preview shows how the XYZ color 17.2363, 19.4002, 2.8362 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

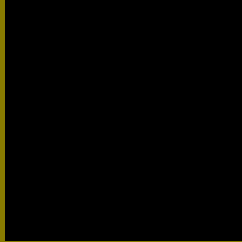
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 17.2363, 19.4002, 2.8362

Background



This preview shows how black text looks on a background with the XYZ color 17.2363, 19.4002, 2.8362.



This preview shows how white text looks on a background with the XYZ color 17.2363, 19.4002,

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

17.2363, 19.4002, 2.8362

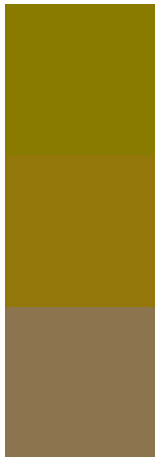
Deuteranopia

19.6653, 19.3982, 3.1980

Tritanopia

20.9202, 19.3043, 21.3624

Trichromacy



Original Color

17.2363, 19.4002, 2.8362

Deuteranomaly

18.6842, 19.4186, 3.0506

Tritanomaly

18.5517, 18.8481, 9.8680

Monochromacy



Original Color

17.2363, 19.4002, 2.8362

Achromatopsia

15.6958, 16.5132, 17.9829

Achromatomaly

15.4161, 17.2554, 8.6490

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.2363, 19.4002, 2.8362 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(136, 123, 0)` looks like.

```
.text, #text, p{  
    color:rgb(136, 123, 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(136, 123, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 123, 0) }
```

Border

The CSS property to change the border of an element to XYZ 17.2363, 19.4002, 2.8362 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(136, 123, 0) }
```

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

```
.border{ border-color:rgb(136, 123, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(136, 123, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 123, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 123, 0);  
box-shadow:4px 4px 4px 4px rgb(136, 123,  
0) }
```


Background

The CSS property to change the background color of an element to XYZ 17.2363, 19.4002, 2.8362 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 123, 0) }
```

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

```
.background{ background-color: rgb(136,  
123, 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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