

Converting Colors

XYZ(16.2997, 19.3944, 3.2156)

Have a look what the booklet for
XYZ(16.2997, 19.3944, 3.2156)
contains.

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Color

**XYZ(16.4233, 19.5351,
3.2217)**

Conversions

Conversions Part 1

Format	Color
Hex	807E0B
RGB	128, 126, 11
RGB Percent	50%, 49%, 4%
CMY	0.4980, 0.5059, 0.9568
CMYK	0.00, 0.02, 0.91, 0.50
HSL	59°, 84%, 27%
HSV	59°, 91%, 50%
XYZ	16.4233, 19.5351, 3.2217
YIQ	113.4880, 38.1070, -35.3410

Conversions

Conversions Part 2

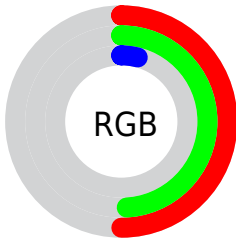
Format	Color
R_{YB}	13, 128, 11
Decimal	8420875
CIE _{Lab}	51.31, -11.63, 54.19
CIE _{LCh}	51, 55.422, 102.111
Yxy	19.5351, 0.4192, 0.4986
Android (android.graphics.Color)	4286610955 (0xFF807E0B)
YUV	113.4880, -50.5266, 12.7270
Hunter-Lab	44.1985, -11.0204, 26.6172

Details

The XYZ color **16.4233, 19.5351, 3.2217** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **4.1783, 1.9177, 20.5716**, and the grayscale version is **15.9799, 16.8121, 18.3084**.

A 20% lighter version of the original color is **36.8249, 42.4861, 12.2210**, and **5.5555, 6.8036, 1.0204** is the 20% darker color. If you saturate the color by 10%, you get **16.3393, 19.4639, 2.8957**, and if you desaturate by 10%, it is **16.5541, 19.6329, 3.7708**.

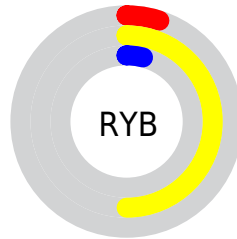
Distribution



Red (50%)

Green (49%)

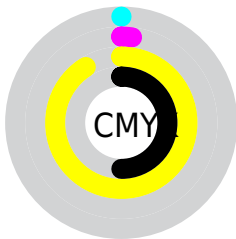
Blue (4%)



Red (5%)

Yellow (50%)

Blue (4%)

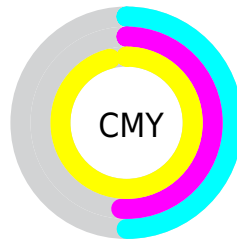


Cyan (0%)

Magenta (2%)

Yellow (91%)

Black (50%)



Cyan (50%)

Magenta (51%)

Yellow (96%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.4233, 19.5351, 3.2217 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 16.4233, 19.5351, 3.2217 by changing the saturation by 10% instead.

■ 16.4233, 19.5351,
3.2217

■ 16.4233, 19.5351,
3.2217

■ 225.0483,
249.3871, 139.1361

■ 9.9169, 12.0576,
1.2089

■ 36.8831, 42.6364,
12.1708

■ 5.4058, 6.7829,
0.0000

■ 51.5672, 59.0289,
19.9441

■ 2.5244, 3.3267,
0.0000

■ 69.7079, 79.1618,
30.4748

■ 0.9076, 1.3046,
0.0000

■ 91.6706, 103.4196,
44.1812


■ 0.0000, 0.1447,
0.0000


■ 117.8207,
132.1866, 61.4821


■ 0.0000, 0.0000,
0.0000


■ 148.5234,


165.8473, 82.7958


 184.1442,
204.7860, 108.5409


 16.4233, 19.5351,
3.2217


 16.4233, 19.5351,
3.2217


 16.3393, 19.4639,
2.8957

 16.5541, 19.6329,
3.7708

 16.7471, 19.7549,
4.6487

 17.0103, 19.9051,
5.8967

 17.3507, 20.0862,
7.5501

 17.7739, 20.3006,
9.6398

■ 18.2854, 20.5504,
12.1939

■ 18.8900, 20.8375,
15.2380

■ 19.5922, 21.1638,
18.7960

■ 20.3963, 21.5309,
22.8901

Harmonies

Analogous

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



22.0317, 19.5351, 3.4529



16.4233, 19.5351, 3.2217



12.3071, 19.5351, 5.7265

Triad

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



16.4233, 19.5351, 3.2217



11.7394, 19.5351, 48.9488



30.6465, 19.5351, 32.0719

Complementary

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



16.4233, 19.5351, 3.2217



4.1783, 1.9177, 20.5716

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.



26.6560, 19.5351, 52.8336



16.4233, 19.5351, 3.2217



15.4869, 19.5351, 65.4494

Square

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



16.4233, 19.5351, 3.2217



9.9857, 19.5351, 28.3262



20.8907, 19.5351, 67.1459



31.0359, 19.5351, 15.4959

Rectangle

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



16.4233, 19.5351, 3.2217



10.6611, 19.5351, 9.9628



20.8907, 19.5351, 67.1459



29.6499, 19.5351, 38.9469

Sweetspot

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



16.4237, 19.5360, 3.2221



32.5773, 36.3659, 23.3907



9.1073, 4.8629, 0.9072



7.5600, 8.4821, 5.1388



62.3462, 65.5931, 71.4309



8.4577, 8.8982, 9.6901

Same Dimension

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



16.4237, 19.5360, 3.2221



28.7572, 34.2473, 5.0947



10.5578, 16.8945, 3.0214



4.6593, 5.0073, 4.6411



16.2020, 19.3004, 2.8714



0.0000, 0.0000, 0.0000

Inverse Universe

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



4.1783, 1.9177, 20.5716



6.8907, 2.8054, 36.1346



6.2362, 2.9426, 20.6610



4.1143, 4.2226, 5.4115



3.8870, 1.5926, 20.3525



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 16.4233, 19.5351, 3.2217 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 16.4233, 19.5351, 3.2217 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 16.4233, 19.5351, 3.2217

Background



This preview shows how black text looks on a background with the XYZ color 16.4233, 19.5351, 3.2217.

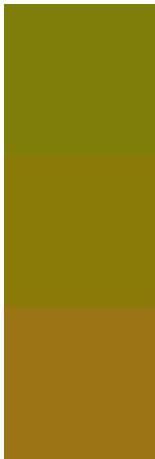


This preview shows how white text looks on a background with the XYZ color 16.4233, 19.5351,

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

16.4233, 19.5351, 3.2217

Protanopia

17.6135, 19.5889, 3.1112

Deuteranopia

19.7072, 19.4149, 3.4182



Tritanopia

20.2805, 19.4632, 22.4265

Trichromacy



Original Color

16.4233, 19.5351, 3.2217

Protanomaly

17.0940, 19.5056, 3.1512

Deuteranomaly

18.4947, 19.4932, 3.3181

Tritanomaly

17.9896, 19.0596, 11.1182

Monochromacy



Original Color

16.4233, 19.5351, 3.2217

Achromatopsia

15.6958, 16.5132, 17.9829

Achromatomaly

15.2542, 17.3302, 9.3786

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.4233, 19.5351, 3.2217 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(128, 126, 11)` looks like.

```
.text, #text, p{  
    color:rgb(128, 126, 11)  
}
```

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(128, 126, 11) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 126, 11) }
```

Border

The CSS property to change the border of an element to XYZ 16.4233, 19.5351, 3.2217 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(128, 126, 11) }
```


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

```
.border{ border-color:rgb(128, 126, 11) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 126, 11)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 126, 11); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 126, 11);  
box-shadow:4px 4px 4px 4px rgb(128, 126,  
11) }
```

Background

The CSS property to change the background color of an element to XYZ 16.4233, 19.5351, 3.2217 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 126, 11) }
```

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

```
.background{ background-color: rgb(128,  
126, 11) }
```

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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