

Converting Colors

XYZ(16.4456, 15.9619, 3.0092)

Have a look what the booklet for
XYZ(16.4456, 15.9619, 3.0092)
contains.

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Color

**XYZ(16.3616, 15.9158,
3.0203)**

Conversions

Conversions Part 1

Format	Color
Hex	8E6917
RGB	142, 105, 23
RGB Percent	56%, 41%, 9%
CMY	0.4431, 0.5882, 0.9098
CMYK	0.00, 0.26, 0.84, 0.44
HSL	41°, 72%, 32%
HSV	41°, 84%, 56%
XYZ	16.3616, 15.9158, 3.0203
YIQ	106.7150, 48.3740, -17.6580

Conversions

Conversions Part 2

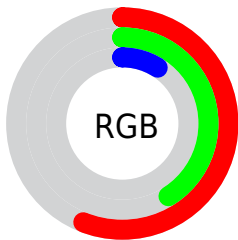
Format	Color
R_{YB}	77, 142, 23
Decimal	9333015
CIE _{Lab}	46.86, 7.18, 47.84
CIE _{LCh}	47, 48.379, 81.469
Yxy	15.9158, 0.4635, 0.4509
Android (android.graphics.Color)	4287523095 (0xFF8E6917)
YUV	106.7150, -41.2715, 30.9449
Hunter-Lab	39.8946, 3.3909, 23.4376

Details


The XYZ color **16.3616, 15.9158, 3.0203** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **6.8517, 5.3668, 26.2659**, and the grayscale version is **13.9978, 14.7268, 16.0375**.

A 20% lighter version of the original color is **36.7117, 36.4270, 11.7528**, and **5.5376, 5.1008, 0.6927** is the 20% darker color. If you saturate the color by 10%, you get **15.8174, 14.9978, 2.3140**, and if you desaturate by 10%, it is **17.0058, 16.9124, 4.1351**.

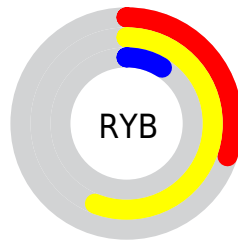
Distribution



 Red (56%)

 Green (41%)

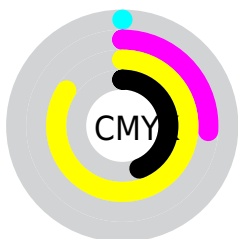
 Blue (9%)



 Red (30%)

 Yellow (56%)

 Blue (9%)

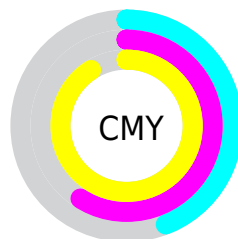


 Cyan (0%)

 Magenta (26%)

 Yellow (84%)

 Black (44%)



 Cyan (44%)


 Magenta (59%)


 Yellow (91%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 16.3616, 15.9158, 3.0203 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 16.3616, 15.9158, 3.0203 by changing the saturation by 10% instead.


 16.3616, 15.9158,
3.0203


 16.3616, 15.9158,
3.0203

224.6948,
228.8444, 136.6188

 9.8729, 9.4646,
1.1050


 36.7772, 36.4520,
11.6785


 5.3764, 5.0454,
0.0000

 51.4348, 51.3057,
19.2585


 2.5067, 2.2739,
0.0000

 69.5461, 69.7291,
29.5638

 0.8987, 0.7599,
0.0000

 91.4764, 92.1065,
43.0129


 0.0000, 0.0000,
0.0000


 117.5910,
118.8224, 60.0244


 148.2554,


150.2610, 81.0169


 183.8349,
186.8069, 106.4088


 16.3616, 15.9158,
3.0203


 16.3616, 15.9158,
3.0203


 15.8174, 14.9978,
2.3140


 17.0058, 16.9124,
4.1351

 15.5092, 14.4585,
1.9734

 17.7603, 17.9904,
5.7152

 18.6347, 19.1548,
7.8082

 19.6372, 20.4095,
10.4557

 20.7752, 21.7578,
13.6950

■ 22.0555, 23.2030,
17.5602

■ 23.4843, 24.7481,
22.0826

■ 25.0674, 26.3959,
27.2915

■ 26.8104, 28.1491,
33.2145

Harmonies

Analogous

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



20.7572, 15.9158, 4.7774



16.3616, 15.9158, 3.0203



12.3515, 15.9158, 3.4625

Triad

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



16.3616, 15.9158, 3.0203



8.7705, 15.9158, 27.2858



22.3925, 15.9158, 36.1772

Complementary

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



16.3616, 15.9158, 3.0203



6.8517, 5.3668, 26.2659

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.



18.2911, 15.9158, 49.1375



16.3616, 15.9158, 3.0203



10.6206, 15.9158, 42.5589

Square

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



16.3616, 15.9158, 3.0203



8.4460, 15.9158, 14.1101



13.9571, 15.9158, 51.8989



24.6387, 15.9158, 21.0050

Rectangle

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



16.3616, 15.9158, 3.0203



10.3712, 15.9158, 5.1087



13.9571, 15.9158, 51.8989



21.1526, 15.9158, 41.1819

Sweetspot

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



16.3620, 15.9166, 3.0206



38.4866, 40.4661, 29.7133



12.2956, 6.6972, 5.0152



8.4380, 8.8611, 6.1550



67.5393, 71.0566, 77.3807



10.1266, 10.6539, 11.6021

Same Dimension

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



16.3620, 15.9166, 3.0206



27.1989, 25.1958, 3.4297



17.5989, 23.4140, 4.4026



5.7000, 6.0063, 5.7483



13.9418, 13.0153, 1.7774



0.1530, 0.1638, 0.0236

Inverse Universe

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



6.8517, 5.3668, 26.2659



10.0770, 6.3782, 45.8279



6.2632, 3.1197, 25.8632



5.2579, 5.5115, 6.8155



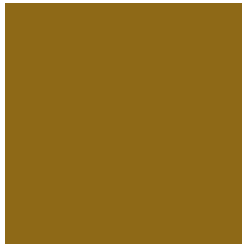
5.2123, 3.4107, 23.3607



0.0677, 0.0684, 0.2293

Previews

White Background



This preview shows how the XYZ color 16.3616, 15.9158, 3.0203 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



This preview shows how the XYZ color 16.3616, 15.9158, 3.0203 looks on a 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 16.3616, 15.9158, 3.0203

Background



This preview shows how black text looks on a background with the XYZ color 16.3616, 15.9158, 3.0203.



This preview shows how white text looks on a background with the XYZ color 16.3616, 15.9158,

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

16.3616, 15.9158, 3.0203

Protanopia

14.4271, 16.0185, 3.2512

Deuteranopia

16.1239, 15.9454, 3.0386



Tritanopia

18.9501, 15.9583, 15.4461

Trichromacy



Original Color

16.3616, 15.9158, 3.0203

Protanomaly

14.9936, 15.8285, 3.1291

Deuteranomaly

16.2932, 16.0327, 3.0465

Tritanomaly

17.6007, 15.8351, 8.7854

Monochromacy



Original Color

16.3616, 15.9158, 3.0203

Achromatopsia

13.9749, 14.7027, 16.0113

Achromatomaly

14.2043, 14.8229, 8.9499

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.3616, 15.9158, 3.0203 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(142, 105, 23)` looks like.

```
.text, #text, p{  
    color:rgb(142, 105, 23)  
}
```

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(142, 105, 23) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(142, 105, 23) }
```

Border

The CSS property to change the border of an element to XYZ 16.3616, 15.9158, 3.0203 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(142, 105, 23) }
```


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

```
.border{ border-color:rgb(142, 105, 23) }
```

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

Here you see how a box with a 4 pixel `rgb(142, 105, 23)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(142, 105, 23); -webkit-box-  
shadow:4px 4px 4px 4px rgb(142, 105, 23);  
box-shadow:4px 4px 4px 4px rgb(142, 105,  
23) }
```

Background

The CSS property to change the background color of an element to XYZ 16.3616, 15.9158, 3.0203 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(142, 105, 23) }
```

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

```
.background{ background-color: rgb(142,  
105, 23) }
```

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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