

Converting Colors

XYZ(19.6967, 16.9109, 3.0945)

Have a look what the booklet for
XYZ(19.6967, 16.9109, 3.0945)
contains.

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Color

**XYZ(19.6223, 16.8617,
3.0846)**

Conversions

Conversions Part 1

Format	Color
Hex	A26418
RGB	162, 100, 24
RGB Percent	64%, 39%, 9%
CMY	0.3647, 0.6078, 0.9059
CMYK	0.00, 0.38, 0.85, 0.36
HSL	33°, 74%, 36%
HSV	33°, 85%, 64%
XYZ	19.6223, 16.8617, 3.0846
YIQ	109.8740, 61.3480, -10.4920

Conversions

Conversions Part 2

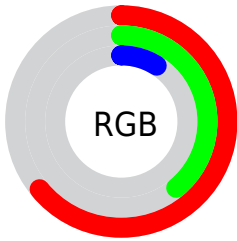
Format	Color
R_{YB}	137, 162, 24
Decimal	10642456
CIE Lab	48.09, 19.28, 49.52
CIE LCh	48, 53.144, 68.727
Yxy	16.8617, 0.4959, 0.4261
Android (android.graphics.Color)	4288832536 (0xFFA26418)
YUV	109.8740, -42.3359, 45.7145
Hunter-Lab	41.0630, 13.4375, 24.2903

Details

The XYZ color **19.6223, 16.8617, 3.0846** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **10.2258, 9.4580, 35.4686**, and the grayscale version is **14.8906, 15.6661, 17.0604**.

A 20% lighter version of the original color is **42.1554, 38.0134, 11.7721**, and **7.0988, 5.5495, 0.6970** is the 20% darker color. If you saturate the color by 10%, you get **18.8333, 15.4793, 2.2193**, and if you desaturate by 10%, it is **20.5738, 18.4103, 4.4948**.

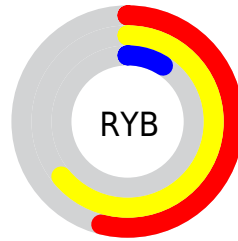
Distribution



Red (64%)

Green (39%)

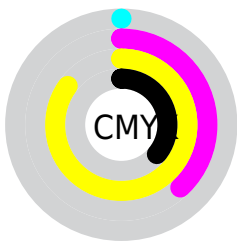
Blue (9%)



Red (54%)

Yellow (64%)

Blue (9%)

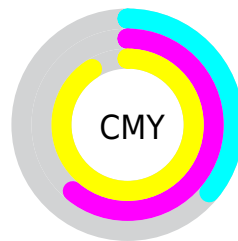


Cyan (0%)

Magenta (38%)

Yellow (85%)

Black (36%)



Cyan (36%)

Magenta (61%)

Yellow (91%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.6223, 16.8617, 3.0846 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 19.6223, 16.8617, 3.0846 by changing the saturation by 10% instead.

■ 19.6223, 16.8617,
3.0846

■ 19.6223, 16.8617,
3.0846

242.7357,
234.3741, 137.4309

■ 12.2275, 10.1359,
1.1380

■ 42.2918, 38.0878,
11.8365

■ 6.9721, 5.4892,
0.0000

■ 58.2972, 53.3570,
19.4789

■ 3.4908, 2.5370,
0.0000

■ 77.9035, 72.2427,
29.8569

■ 1.4183, 0.8951,
0.0000

■ 101.4760, 95.1295,
43.3891

■ 0.2692, 0.0000,
0.0000

■ 129.3802,
122.4016, 60.4941

■ 0.0000, 0.0000,
0.0000

■ 161.9812,

154.4435, 81.5904

199.6446,
191.6395, 107.0965

19.6223, 16.8617,
3.0846

19.6223, 16.8617,
3.0846

18.8333, 15.4793,
2.2193

20.5738, 18.4103,
4.4948

18.4910, 14.8630,
1.8943

21.7046, 20.1323,
6.5352

23.0293, 22.0365,
9.2742

24.5606, 24.1304,
12.7710

26.3098, 26.4207,
17.0784

■ 28.2873, 28.9139,
22.2445

■ 30.5029, 31.6159,
28.3135

■ 32.9654, 34.5324,
35.3266

■ 35.6835, 37.6688,
43.3224

Harmonies

Analogous

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



24.3801, 16.8617, 6.2730



19.6223, 16.8617, 3.0846



14.6636, 16.8617, 2.6505

Triad

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



19.6223, 16.8617, 3.0846



8.5120, 16.8617, 22.6794



22.5379, 16.8617, 47.7513

Complementary

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



19.6223, 16.8617, 3.0846



10.2258, 9.4580, 35.4686

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.



17.4714, 16.8617, 58.9655



19.6223, 16.8617, 3.0846



9.8391, 16.8617, 40.4200

Square

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



19.6223, 16.8617, 3.0846



8.8598, 16.8617, 10.3277



12.8993, 16.8617, 55.7635



26.2840, 16.8617, 29.7458

Rectangle

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



19.6223, 16.8617, 3.0846



11.9791, 16.8617, 3.5493



12.8993, 16.8617, 55.7635



20.8962, 16.8617, 52.7663

Sweetspot

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



19.6227, 16.8626, 3.0849



50.8592, 51.8768, 39.0616



16.9106, 9.0082, 9.6730



11.1512, 11.3114, 8.0563



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

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



19.6227, 16.8626, 3.0849



33.3616, 26.5670, 3.3696



26.6217, 32.8847, 5.8086



7.3819, 7.7023, 7.4777



14.6113, 11.7966, 1.5069



0.3534, 0.3406, 0.0471

Inverse Universe

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



10.2258, 9.4580, 35.4686



15.9392, 12.9352, 63.7128



7.4104, 3.5518, 34.4770



6.9502, 7.3594, 8.9573



7.0453, 5.8700, 27.6915



0.1950, 0.2173, 0.5975

Previews

White Background



This preview shows how the XYZ color 19.6223, 16.8617, 3.0846 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 19.6223, 16.8617, 3.0846 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 19.6223, 16.8617, 3.0846

Background



This preview shows how black text looks on a background with the XYZ color 19.6223, 16.8617, 3.0846.



This preview shows how white text looks on a background with the XYZ color 19.6223, 16.8617,

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

19.6223, 16.8617, 3.0846

Protanopia

15.3936, 17.0124, 3.5710

Deuteranopia

17.2632, 17.0040, 2.9883



Tritanopia

21.9405, 16.8558, 14.1537

Trichromacy



Original Color

19.6223, 16.8617, 3.0846

Protanomaly

16.7583, 16.8937, 3.4145

Deuteranomaly

18.0519, 16.9415, 3.0281

Tritanomaly

20.8696, 16.8330, 8.2800

Monochromacy



Original Color

19.6223, 16.8617, 3.0846

Achromatopsia

14.8208, 15.5926, 16.9804

Achromatomaly

15.6186, 15.5397, 9.5734

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.6223, 16.8617, 3.0846 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(162, 100, 24)` looks like.

```
.text, #text, p{  
    color:rgb(162, 100, 24)  
}
```

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(162, 100, 24) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(162, 100, 24) }
```

Border

The CSS property to change the border of an element to XYZ 19.6223, 16.8617, 3.0846 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(162, 100, 24) }
```


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

```
.border{ border-color:rgb(162, 100, 24) }
```

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

Here you see how a box with a 4 pixel `rgb(162, 100, 24)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(162, 100, 24); -webkit-box-  
shadow:4px 4px 4px 4px rgb(162, 100, 24);  
box-shadow:4px 4px 4px 4px rgb(162, 100,  
24) }
```

Background

The CSS property to change the background color of an element to XYZ 19.6223, 16.8617, 3.0846 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(162, 100, 24) }
```

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

```
.background{ background-color: rgb(162,  
100, 24) }
```

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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