

Converting Colors

XYZ(15.6032, 10.7296, 2.0776)

Have a look what the booklet for
XYZ(15.6032, 10.7296, 2.0776)
contains.

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Color

**XYZ(15.6984, 10.7966,
2.0672)**

Conversions

Conversions Part 1

Format	Color
Hex	9C4017
RGB	156, 64, 23
RGB Percent	61%, 25%, 9%
CMY	0.3882, 0.7490, 0.9098
CMYK	0.00, 0.59, 0.85, 0.39
HSL	18°, 74%, 35%
HSV	18°, 85%, 61%
XYZ	15.6984, 10.7966, 2.0672
YIQ	86.8340, 67.9930, 6.7530

Conversions

Conversions Part 2

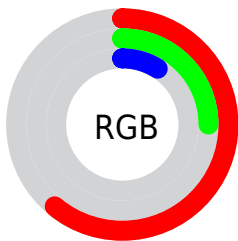
Format	Color
R_{YB}	156, 82, 23
Decimal	10240023
CIE _{Lab}	39.24, 36.25, 41.88
CIE _{LCh}	39, 55.387, 49.124
Yxy	10.7966, 0.5496, 0.3780
Android (android.graphics.Color)	4288430103 (0xFF9C4017)
YUV	86.8340, -31.4702, 60.6586
Hunter-Lab	32.8582, 27.7788, 19.2706

Details

The XYZ color **15.6984, 10.7966, 2.0672** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **12.4844, 14.8430, 33.6593**, and the grayscale version is **9.0791, 9.5519, 10.4021**.

A 20% lighter version of the original color is **35.5551, 27.3026, 9.1903**, and **5.1685, 2.8596, 0.2796** is the 20% darker color. If you saturate the color by 10%, you get **15.0337, 9.6500, 1.2828**, and if you desaturate by 10%, it is **16.5722, 12.2163, 3.3696**.

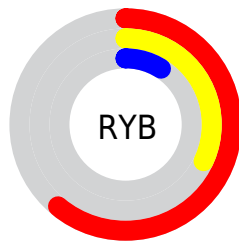
Distribution



Red (61%)

Green (25%)

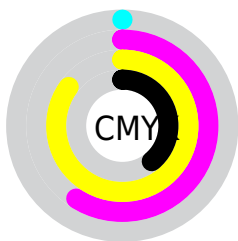
Blue (9%)



Red (61%)

Yellow (32%)

Blue (9%)

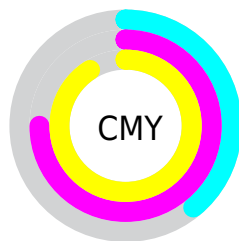


Cyan (0%)

Magenta (59%)

Yellow (85%)

Black (39%)



Cyan (39%)


Magenta (75%)


Yellow (91%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 15.6984, 10.7966, 2.0672 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 15.6984, 10.7966, 2.0672 by changing the saturation by 10% instead.


 15.6984, 10.7966,
2.0672


 15.6984, 10.7966,
2.0672


220.8610,
196.2667, 123.4117

 9.4005, 5.9302,
0.5961


 35.6355, 27.2834,
9.2237


 5.0625, 2.8027,
0.0000

 50.0054, 39.6727,
15.7911


 2.3191, 1.0296,
0.0000

 67.7967, 55.3383,
24.9093

 0.8044, 0.0000,
0.0000

 89.3747, 74.6648,
36.9969


 0.0000, 0.0000,
0.0000


 115.1047, 98.0365,
52.4724


 145.3522,


125.8378, 71.7543


 180.4825,
158.4531, 95.2612


 15.6984, 10.7966,
2.0672


 15.6984, 10.7966,
2.0672


 15.0337, 9.6500,
1.2828

 16.5722, 12.2163,
3.3696

 14.7711, 9.1896,
0.9952

 17.6757, 13.9259,
5.2713

 19.0268, 15.9423,
7.8360

 20.6411, 18.2805,
11.1189

 22.5328, 20.9545,
15.1694

■ 24.7149, 23.9772,
20.0326

■ 27.1997, 27.3610,
25.7499

■ 29.9988, 31.1176,
32.3600

■ 33.1229, 35.2582,
39.8991

Harmonies

Analogous

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



18.6246, 10.7966, 6.2350



15.6984, 10.7966, 2.0672



11.6733, 10.7966, 0.9268

Triad

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



15.6984, 10.7966, 2.0672



4.7131, 10.7966, 8.2948



12.7915, 10.7966, 43.7333

Complementary

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



15.6984, 10.7966, 2.0672



12.4844, 14.8430, 33.6593

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.



8.9690, 10.7966, 45.5923



15.6984, 10.7966, 2.0672



4.8736, 10.7966, 19.8370

Square

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



15.6984, 10.7966, 2.0672



5.7433, 10.7966, 2.7935



6.2523, 10.7966, 35.0843



16.6855, 10.7966, 30.9352

Rectangle

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



15.6984, 10.7966, 2.0672



9.1675, 10.7966, 0.9062



6.2523, 10.7966, 35.0843



11.4399, 10.7966, 45.8616

Sweetspot

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



15.6986, 10.7972, 2.0674



44.3605, 42.8225, 35.1886



17.1749, 8.9441, 17.3748



9.4751, 9.0280, 7.1006



74.8435, 78.7412, 85.7492



12.6291, 13.2868, 14.4694

Same Dimension

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



15.6986, 10.7972, 2.0674



26.6735, 16.3807, 1.7559



21.7680, 22.9359, 4.0905



6.7916, 6.9632, 6.9717



12.1947, 7.6251, 0.8291



0.2531, 0.2065, 0.0265

Inverse Universe

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



12.4844, 14.8430, 33.6593



20.4396, 23.4406, 60.5739



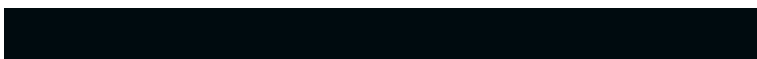
7.4778, 4.8298, 31.9905



6.6492, 7.1641, 8.4390



9.3832, 10.8580, 27.5085



0.2033, 0.2652, 0.5037

Previews

White Background



This preview shows how the XYZ color 15.6984, 10.7966, 2.0672 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 15.6984, 10.7966, 2.0672 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 15.6984, 10.7966, 2.0672

Background



This preview shows how black text looks on a background with the XYZ color 15.6984, 10.7966, 2.0672.



This preview shows how white text looks on a background with the XYZ color 15.6984, 10.7966,

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

15.6984, 10.7966, 2.0672

Protanopia

9.8576, 10.8655, 2.8060

Deuteranopia

11.0102, 10.8507, 1.7725



Tritanopia

16.4459, 10.7700, 6.0625

Trichromacy



Original Color

15.6984, 10.7966, 2.0672

Protanomaly

11.3835, 10.3247, 2.4298

Deuteranomaly

12.3910, 10.5292, 1.7947

Tritanomaly

16.1277, 10.7273, 4.1263

Monochromacy



Original Color

15.6984, 10.7966, 2.0672

Achromatopsia

9.0590, 9.5307, 10.3790

Achromatomaly

10.4035, 9.4069, 6.1179

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.6984, 10.7966, 2.0672 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(156, 64, 23)` looks like.

```
.text, #text, p{  
    color:rgb(156, 64, 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(156, 64, 23) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 64, 23) }
```

Border

The CSS property to change the border of an element to XYZ 15.6984, 10.7966, 2.0672 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(156, 64, 23) }
```


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

```
.border{ border-color:rgb(156, 64, 23) }
```

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

Here you see how a box with a 4 pixel `rgb(156, 64, 23)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 64, 23); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 64, 23);  
box-shadow:4px 4px 4px 4px rgb(156, 64,  
23) }
```

Background

The CSS property to change the background color of an element to XYZ 15.6984, 10.7966, 2.0672 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 64, 23) }
```

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

```
.background{ background-color: rgb(156, 64,  
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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