

Converting Colors

XYZ(17.4019, 15.3024, 2.0365)

Have a look what the booklet for
XYZ(17.4019, 15.3024, 2.0365)
contains.

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Color

**XYZ(17.4116, 15.3217,
2.0397)**

Conversions

Conversions Part 1

Format	Color
Hex	996100
RGB	153, 97, 0
RGB Percent	60%, 38%, 0%
CMY	0.4000, 0.6196, 1.0000
CMYK	0.00, 0.37, 1.00, 0.40
HSL	38°, 100%, 30%
HSV	38°, 100%, 60%
XYZ	17.4116, 15.3217, 2.0397
YIQ	102.6860, 64.5130, -18.2950

Conversions

Conversions Part 2

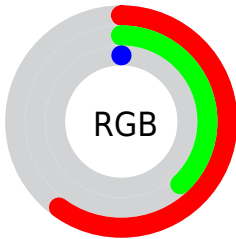
Format	Color
RYB	88, 153, 0
Decimal	10051840
CIELab	46.07, 16.42, 53.90
CIElCh	46, 56.348, 73.060
Yxy	15.3217, 0.5007, 0.4406
Android (android.graphics.Color)	4288241920 (0xFF996100)
YUV	102.6860, -50.6242, 44.1254
Hunter-Lab	39.1429, 10.9004, 24.3105

Details

The XYZ color **17.4116, 15.3217, 2.0397** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **7.1640, 5.1283, 30.7491**, and the grayscale version is **12.9272, 13.6004, 14.8108**.

A 20% lighter version of the original color is **38.5836, 35.5138, 9.2361**, and **6.0077, 4.8544, 0.6204** is the 20% darker color. If you saturate the color by 10%, you get **17.4117, 15.3221, 2.0398**, and if you desaturate by 10%, it is **18.0362, 16.4296, 2.6840**.

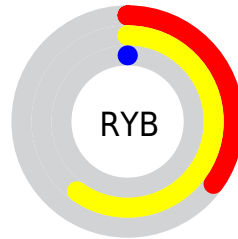
Distribution



Red (60%)

Green (38%)

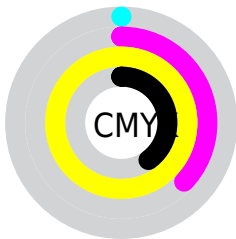
Blue (0%)



Red (35%)

Yellow (60%)

Blue (0%)

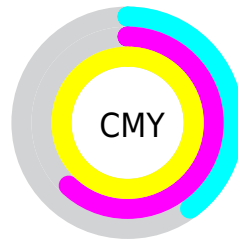


Cyan (0%)

Magenta (37%)

Yellow (100%)

Black (40%)



Cyan (40%)


Magenta (62%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 17.4116, 15.3217, 2.0397 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 17.4116, 15.3217, 2.0397 by changing the saturation by 10% instead.


 17.4116, 15.3217,
2.0397


 17.4116, 15.3217,
2.0397


 230.6436,
225.3052, 122.9902


 10.6255, 9.0455,
0.5795


 38.5701, 35.4166,
9.1491


 5.8810, 4.7709,
0.0000

 53.6732, 50.0040,
15.6842


 2.8128, 2.1135,
0.0000

 72.2794, 68.1306,
24.7644

 1.0556, 0.6722,
0.0000

 94.7540, 90.1808,
36.8083


 0.0000, 0.0000,
0.0000


 121.4624,
116.5389, 52.2342


 152.7698,


147.5895, 71.4608


 189.0418,
183.7168, 94.9066


 17.4116, 15.3217,
2.0397


 17.4116, 15.3217,
2.0397


 17.4117, 15.3221,
2.0398

 18.0362, 16.4296,
2.6840

 18.7630, 17.6373,
3.6846

 19.6233, 18.9591,
5.2002

 20.6296, 20.4013,
7.2945

 21.7929, 21.9691,
10.0218

■ 23.1231, 23.6677,
13.4302

■ 24.6289, 25.5014,
17.5631

■ 26.3184, 27.4747,
22.4602

■ 28.1992, 29.5914,
28.1584

Harmonies

Analogous

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



22.3730, 15.3217, 4.3837



17.4116, 15.3217, 2.0397



12.5810, 15.3217, 1.9281

Triad

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



17.4116, 15.3217, 2.0397



7.3128, 15.3217, 23.3740



21.7917, 15.3217, 44.2924

Complementary

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



17.4116, 15.3217, 2.0397



7.1640, 5.1283, 30.7491

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.



16.7426, 15.3217, 57.7694



17.4116, 15.3217, 2.0397



8.8215, 15.3217, 41.9175

Square

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



17.4116, 15.3217, 2.0397



7.4151, 15.3217, 10.1224



12.0431, 15.3217, 56.7190



25.2571, 15.3217, 25.5987

Rectangle

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



17.4116, 15.3217, 2.0397



10.0980, 15.3217, 2.9098



12.0431, 15.3217, 56.7190



20.1810, 15.3217, 49.9468

Sweetspot

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



17.4119, 15.3225, 2.0400



43.9379, 45.4677, 30.9747



13.8532, 7.0589, 4.3870



9.4659, 9.7553, 6.1822



72.9764, 76.7769, 83.6100



11.9732, 12.5967, 13.7178

Same Dimension

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



17.4119, 15.3225, 2.0400



31.0008, 27.0766, 3.5924



21.0011, 27.7364, 4.2469



6.5187, 6.8425, 6.5830



14.4230, 12.7285, 1.6967



0.2501, 0.2592, 0.0368

Inverse Universe

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



7.1640, 5.1283, 30.7491



12.6664, 8.8573, 55.0140



6.0466, 2.4530, 30.2916



6.0604, 6.3781, 7.8407



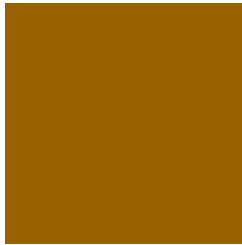
5.9504, 4.2975, 25.4236



0.1217, 0.1297, 0.3910

Previews

White Background



This preview shows how the XYZ color 17.4116, 15.3217, 2.0397 looks on a white background.

Color Contrast Check

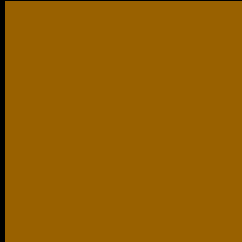
Large Text (above 18pt) WCAG AA ✓ Pass

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 17.4116, 15.3217, 2.0397 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 17.4116, 15.3217, 2.0397

Background



This preview shows how black text looks on a background with the XYZ color 17.4116, 15.3217, 2.0397.



This preview shows how white text looks on a background with the XYZ color 17.4116, 15.3217,

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

17.4116, 15.3217, 2.0397

Protanopia

13.9485, 15.4611, 2.5657

Deuteranopia

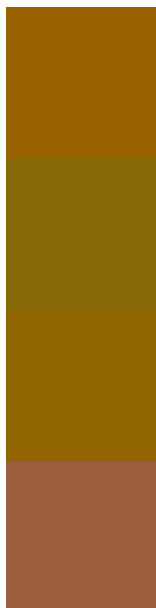
15.5978, 15.3896, 2.1484



Tritanopia

19.7185, 15.3435, 13.2316

Trichromacy



Original Color

17.4116, 15.3217, 2.0397

Protanomaly

15.0816, 15.2694, 2.3534

Deuteranomaly

16.1553, 15.2367, 2.0895

Tritanomaly

18.4942, 15.2444, 6.5251

Monochromacy



Original Color

17.4116, 15.3217, 2.0397

Achromatopsia

12.8919, 13.5633, 14.7705

Achromatomaly

13.5222, 13.7657, 7.0986

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.4116, 15.3217, 2.0397 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(153, 97, 0)` looks like.

```
.text, #text, p{  
    color:rgb(153, 97, 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(153, 97, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 97, 0) }
```

Border

The CSS property to change the border of an element to XYZ 17.4116, 15.3217, 2.0397 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(153, 97, 0) }
```


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

```
.border{ border-color:rgb(153, 97, 0) }
```

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

Here you see how a box with a 4 pixel rgb(153, 97, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 97, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 97, 0);  
box-shadow:4px 4px 4px 4px rgb(153, 97, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 17.4116, 15.3217, 2.0397 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 97, 0) }
```

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

```
.background{ background-color: rgb(153, 97,  
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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