

Converting Colors

XYZ(16.3221, 10.0699, 3.9010)

Have a look what the booklet for
XYZ(16.3221, 10.0699, 3.9010)
contains.

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Color

**XYZ(16.3720, 10.0717,
3.8774)**

Conversions

Conversions Part 1

Format	Color
Hex	A13230
RGB	161, 50, 48
RGB Percent	63%, 20%, 19%
CMY	0.3686, 0.8039, 0.8118
CMYK	0.00, 0.69, 0.70, 0.37
HSL	1°, 54%, 41%
HSV	1°, 70%, 63%
XYZ	16.3720, 10.0717, 3.8774
YIQ	82.9610, 66.7980, 22.9100

Conversions

Conversions Part 2

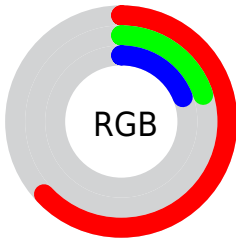
Format	Color
RYB	161, 50, 48
Decimal	10564144
CIELab	37.97, 45.57, 27.25
CIELCh	38, 53.096, 30.883
Yxy	10.0717, 0.5400, 0.3322
Android (android.graphics.Color)	4288754224 (0xFFA13230)
YUV	82.9610, -17.2358, 68.4402
Hunter-Lab	31.7359, 36.5470, 14.9713

Details

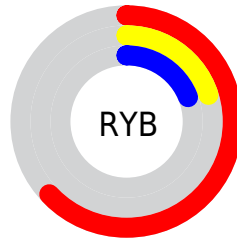
The XYZ color **16.3720, 10.0717, 3.8774** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **20.0485, 27.9948, 38.0647**, and the grayscale version is **8.2391, 8.6682, 9.4396**.

A 20% lighter version of the original color is **36.6894, 25.8808, 13.6514**, and **5.6045, 2.8879, 0.3195** is the 20% darker color. If you saturate the color by 10%, you get **15.5347, 8.8359, 2.2461**, and if you desaturate by 10%, it is **17.5639, 11.8239, 6.2220**.

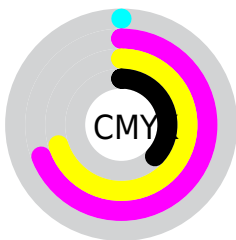
Distribution



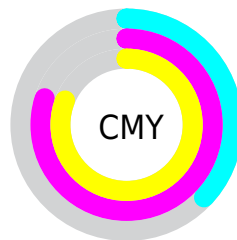
- Red (63%)
- Green (20%)
- Blue (19%)



- Red (63%)
- Yellow (20%)
- Blue (19%)



- Cyan (0%)
- Magenta (69%)
- Yellow (70%)
- Black (37%)





- Cyan (37%)
- Magenta (80%)
- Yellow (81%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 16.3720, 10.0717, 3.8774 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 16.3720, 10.0717, 3.8774 by changing the saturation by 10% instead.


 16.3720, 10.0717,
3.8774


 16.3720, 10.0717,
3.8774

224.7544,
191.1830, 146.8528


 9.8803, 5.4465,
1.5583


 36.7951, 25.9303,
13.7260


 5.3813, 2.5116,
0.2608

 51.4571, 37.9325,
22.0926

 2.5097, 0.8824,
0.0000

 69.5734, 53.1624,
33.3122

 0.9002, 0.0000,
0.0000

 91.5091, 72.0046,
47.8032

 0.0000, 0.0000,
0.0000

 117.6297, 94.8434,
65.9842

 148.3006,

122.0631, 88.2738

183.8870,
154.0482, 115.0905

■ 16.3720, 10.0717,
3.8774

■ 16.3720, 10.0717,
3.8774

■ 15.5347, 8.8359,
2.2461

■ 17.5639, 11.8239,
6.2220

■ 15.0123, 8.0588,
1.2467

■ 19.1430, 14.1389,
9.3484

■ 14.7288, 7.6391,
0.6982

■ 21.1393, 17.0598,
13.3176

■ 23.5793, 20.6249,
18.1845

■ 26.4875, 24.8696,
23.9992

■ 29.8866, 29.8265,
30.8084

■ 33.7977, 35.5263,
38.6554

■ 38.2409, 41.9978,
47.5812

■ 43.2350, 49.2683,
57.6243

Harmonies

Analogous

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



17.7362, 10.0717, 10.6796



16.3720, 10.0717, 3.8774



13.1296, 10.0717, 1.3833

Triad

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



16.3720, 10.0717, 3.8774



4.9124, 10.0717, 4.1334



9.6742, 10.0717, 42.4816

Complementary

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



16.3720, 10.0717, 3.8774



20.0485, 27.9948, 38.0647

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.



6.7245, 10.0717, 36.8998



16.3720, 10.0717, 3.8774



4.4008, 10.0717, 11.2583

Square

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



16.3720, 10.0717, 3.8774



6.5872, 10.0717, 1.4573



4.9775, 10.0717, 23.6995



13.3468, 10.0717, 36.2539

Rectangle

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



16.3720, 10.0717, 3.8774



10.6494, 10.0717, 0.9118



4.9775, 10.0717, 23.6995



8.5714, 10.0717, 41.9048

Sweetspot

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



16.3722, 10.0723, 3.8776



46.7622, 43.5547, 41.6298



22.0228, 12.1981, 34.0474



9.9501, 9.1063, 8.5188



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444

Same Dimension

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



16.3722, 10.0723, 3.8776



27.2522, 14.9792, 2.9275



20.4249, 18.1776, 5.2284



7.0834, 7.1052, 7.3782



11.7669, 6.1077, 0.5587



0.2501, 0.1340, 0.0127

Inverse Universe

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



20.0485, 27.9948, 38.0647



34.2291, 49.0718, 68.0543



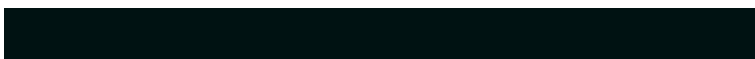
12.4641, 12.8259, 35.5366



7.2653, 7.9896, 9.0623



14.9254, 21.6302, 30.3182



0.3168, 0.4608, 0.6381

Previews

White Background



This preview shows how the XYZ color 16.3720, 10.0717, 3.8774 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 16.3720, 10.0717, 3.8774 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 16.3720, 10.0717, 3.8774

Background



This preview shows how black text looks on a background with the XYZ color 16.3720, 10.0717, 3.8774.



This preview shows how white text looks on a background with the XYZ color 16.3720, 10.0717,

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

16.3720, 10.0717, 3.8774

Protanopia

9.5627, 10.2568, 6.0332

Deuteranopia

10.4278, 10.2675, 3.6227



Tritanopia

16.4161, 10.0216, 4.3180

Trichromacy



Original Color

16.3720, 10.0717, 3.8774

Protanomaly

11.1398, 9.3925, 5.0967

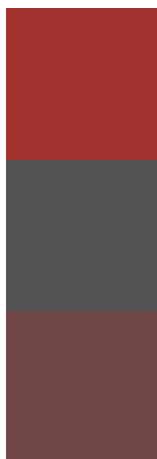
Deuteranomaly

12.0431, 9.6928, 3.6190

Tritanomaly

16.3938, 10.0127, 4.2006

Monochromacy



Original Color

16.3720, 10.0717, 3.8774

Achromatopsia

8.2219, 8.6500, 9.4199

Achromatomaly

9.9143, 8.3282, 6.8793

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.3720, 10.0717, 3.8774 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(161, 50, 48)` looks like.

```
.text, #text, p{  
    color:rgb(161, 50, 48)  
}
```

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(161, 50, 48) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 50, 48) }
```

Border

The CSS property to change the border of an element to XYZ 16.3720, 10.0717, 3.8774 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(161, 50, 48) }
```


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

```
.border{ border-color:rgb(161, 50, 48) }
```

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

Here you see how a box with a 4 pixel `rgb(161, 50, 48)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(161, 50, 48); -webkit-box-  
shadow:4px 4px 4px 4px rgb(161, 50, 48);  
box-shadow:4px 4px 4px 4px rgb(161, 50,  
48) }
```

Background

The CSS property to change the background color of an element to XYZ 16.3720, 10.0717, 3.8774 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 50, 48) }
```

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

```
.background{ background-color: rgb(161, 50,  
48) }
```

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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