

Converting Colors

XYZ(12.4308, 10.6098, 4.4081)

Have a look what the booklet for
XYZ(12.4308, 10.6098, 4.4081)
contains.

XYZ(12.4976, 10.6347, 4.4116)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(12.4976, 10.6347,
4.4116)**

Conversions

Conversions Part 1

Format	Color
Hex	815032
RGB	129, 80, 50
RGB Percent	51%, 31%, 20%
CMY	0.4941, 0.6863, 0.8039
CMYK	0.00, 0.38, 0.61, 0.49
HSL	23°, 44%, 35%
HSV	23°, 61%, 51%
XYZ	12.4976, 10.6347, 4.4116
YIQ	91.2310, 38.8340, 1.0580

Conversions

Conversions Part 2

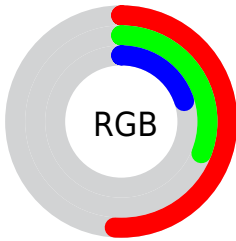
Format	Color
R_{YB}	129, 98, 50
Decimal	8474674
CIE _{Lab}	38.96, 17.36, 26.06
CIE _{LCh}	39, 31.318, 56.328
Yxy	10.6347, 0.4537, 0.3861
Android (android.graphics.Color)	4286664754 (0xFF815032)
YUV	91.2310, -20.3269, 33.1234
Hunter-Lab	32.6109, 11.3382, 14.8069

Details

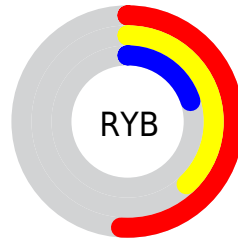
The XYZ color **12.4976, 10.6347, 4.4116** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **9.7394, 11.1861, 22.4145**, and the grayscale version is **10.0354, 10.5580, 11.4977**.

A 20% lighter version of the original color is **30.1479, 27.1426, 14.9593**, and **3.6034, 2.7473, 0.4552** is the 20% darker color. If you saturate the color by 10%, you get **11.7063, 9.4364, 2.9630**, and if you desaturate by 10%, it is **13.4377, 12.0050, 6.2971**.

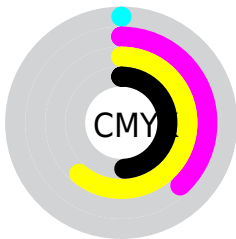
Distribution



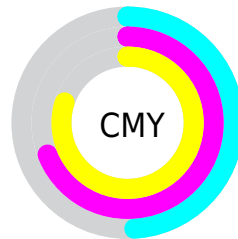
- Red (51%)
- Green (31%)
- Blue (20%)



- Red (51%)
- Yellow (38%)
- Blue (20%)



- Cyan (0%)
- Magenta (38%)
- Yellow (61%)
- Black (49%)





- Cyan (49%)
- Magenta (69%)
- Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 12.4976, 10.6347, 4.4116 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 12.4976, 10.6347, 4.4116 by changing the saturation by 10% instead.


 12.4976, 10.6347,
4.4116


 12.4976, 10.6347,
4.4116


201.3756,
195.1439, 152.6960


 7.1581, 5.8218,
1.8538


 30.0073, 26.9827,
14.9484


 3.6084, 2.7370,
0.4631

 42.9081, 39.2865,
23.7645


 1.4831, 0.9960,
0.0000

 59.0602, 54.8560,
35.5037

 0.3143, 0.0000,
0.0000

 78.8288, 74.0757,
50.5846

 0.0000, 0.0000,
0.0000

 102.5793, 97.3300,
69.4258

 130.6770,

125.0032, 92.4457

163.4873,
157.4797, 120.0629

■ 12.4976, 10.6347,
4.4116

■ 12.4976, 10.6347,
4.4116

■ 11.7063, 9.4364,
2.9630

■ 13.4377, 12.0050,
6.2971

■ 11.0537, 8.4009,
1.9141

■ 14.5341, 13.5528,
8.6511

■ 10.5296, 7.5205,
1.2224

■ 15.7947, 15.2851,
11.5033

■ 10.1512, 6.8631,
0.7897

■ 17.2266, 17.2082,
14.8804

■ 18.8364, 19.3281,
18.8073

■ 20.6303, 21.6502,
23.3074

■ 22.6144, 24.1801,
28.4026

■ 24.7942, 26.9229,
34.1137

■ 27.1752, 29.8836,
40.4605

Harmonies

Analogous

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



14.1436, 10.6347, 7.1973



12.4976, 10.6347, 4.4116



10.3669, 10.6347, 3.4853

Triad

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



12.4976, 10.6347, 4.4116



6.6119, 10.6347, 10.8594



11.9922, 10.6347, 25.2190

Complementary

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



12.4976, 10.6347, 4.4116



9.7394, 11.1861, 22.4145

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.



9.8534, 10.6347, 27.2317



12.4976, 10.6347, 4.4116



6.9238, 10.6347, 17.4542

Square

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



12.4976, 10.6347, 4.4116



7.1252, 10.6347, 6.3089



8.0442, 10.6347, 24.0035



13.8248, 10.6347, 19.1829

Rectangle

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



12.4976, 10.6347, 4.4116



9.0223, 10.6347, 3.6864



8.0442, 10.6347, 24.0035



11.2774, 10.6347, 26.4619

Sweetspot

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



12.4979, 10.6352, 4.4118



31.6288, 31.8500, 28.5277



12.4957, 7.8691, 12.9253



7.0031, 7.0024, 6.0808



62.3462, 65.5931, 71.4309



8.4577, 8.8982, 9.6901

Same Dimension

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



12.4979, 10.6352, 4.4118



20.5305, 16.2226, 4.5766



16.1624, 17.9644, 5.6333



4.4512, 4.5912, 4.5717



9.9014, 6.6992, 0.7712



0.0000, 0.0000, 0.0000

Inverse Universe

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



9.7394, 11.1861, 22.4145



15.1129, 17.2370, 39.7230



6.9218, 5.5510, 21.4753



4.3135, 4.6209, 5.4779



6.6650, 7.1484, 21.2785



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 12.4976, 10.6347, 4.4116 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 12.4976, 10.6347, 4.4116 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

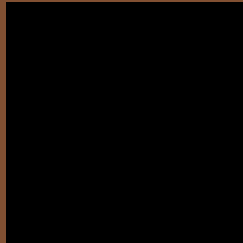
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 12.4976, 10.6347, 4.4116

Background



This preview shows how black text looks on a background with the XYZ color 12.4976, 10.6347, 4.4116.



This preview shows how white text looks on a background with the XYZ color 12.4976, 10.6347,

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

12.4976, 10.6347, 4.4116

Protanopia

9.8598, 10.6873, 5.0332

Deuteranopia

10.8333, 10.7036, 4.2913



Tritanopia

13.4675, 10.6034, 9.3195

Trichromacy



Original Color

12.4976, 10.6347, 4.4116

Protanomaly

10.6879, 10.6160, 4.8539

Deuteranomaly

11.4106, 10.6407, 4.3582

Tritanomaly

12.9653, 10.4958, 7.1369

Monochromacy



Original Color

12.4976, 10.6347, 4.4116

Achromatopsia

9.9438, 10.4616, 11.3927

Achromatomaly

10.5384, 10.3415, 8.2781

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.4976, 10.6347, 4.4116 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(129, 80, 50)` looks like.

```
.text, #text, p{  
    color:rgb(129, 80, 50)  
}
```

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(129, 80, 50) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 80, 50) }
```

Border

The CSS property to change the border of an element to XYZ 12.4976, 10.6347, 4.4116 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(129, 80, 50) }
```


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

```
.border{ border-color:rgb(129, 80, 50) }
```

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

Here you see how a box with a 4 pixel rgb(129, 80, 50) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 80, 50); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 80, 50);  
box-shadow:4px 4px 4px 4px rgb(129, 80,  
50) }
```

Background

The CSS property to change the background color of an element to XYZ 12.4976, 10.6347, 4.4116 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 80, 50) }
```

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

```
.background{ background-color: rgb(129, 80,  
50) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor