

Converting Colors

XYZ(16.4813, 12.9523, 4.1511)

Have a look what the booklet for
XYZ(16.4813, 12.9523, 4.1511)
contains.

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Color

**XYZ(16.4398, 12.8994,
4.1060)**

Conversions

Conversions Part 1

Format	Color
Hex	98522D
RGB	152, 82, 45
RGB Percent	60%, 32%, 18%
CMY	0.4039, 0.6784, 0.8235
CMYK	0.00, 0.46, 0.70, 0.40
HSL	21°, 54%, 39%
HSV	21°, 70%, 60%
XYZ	16.4398, 12.8994, 4.1060
YIQ	98.7120, 53.5970, 3.3330

Conversions

Conversions Part 2

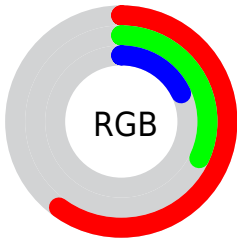
Format	Color
R_{YB}	152, 102, 45
Decimal	9982509
CIE Lab	42.61, 25.95, 33.99
CIE LCh	43, 42.760, 52.637
Yxy	12.8994, 0.4915, 0.3857
Android (android.graphics.Color)	4288172589 (0xFF98522D)
YUV	98.7120, -26.4800, 46.7336
Hunter-Lab	35.9157, 18.8527, 18.3628

Details

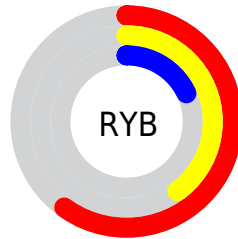
The XYZ color **16.4398, 12.8994, 4.1060** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **12.8800, 15.0855, 31.9385**, and the grayscale version is **11.8426, 12.4593, 13.5682**.

A 20% lighter version of the original color is **36.7614, 30.9769, 14.1668**, and **5.4249, 3.6889, 0.4261** is the 20% darker color. If you saturate the color by 10%, you get **15.5019, 11.4107, 2.6005**, and if you desaturate by 10%, it is **17.5924, 14.6490, 6.2032**.

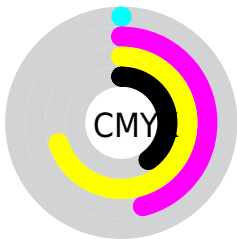
Distribution



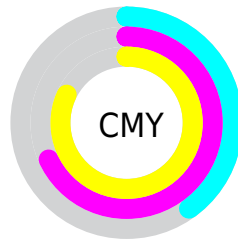
- Red (60%)
- Green (32%)
- Blue (18%)



- Red (60%)
- Yellow (40%)
- Blue (18%)



- Cyan (0%)
- Magenta (46%)
- Yellow (70%)
- Black (40%)





- Cyan (40%)
- Magenta (68%)
- Yellow (82%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 16.4398, 12.8994, 4.1060 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 16.4398, 12.8994, 4.1060 by changing the saturation by 10% instead.

 16.4398, 12.8994,
4.1060


 16.4398, 12.8994,
4.1060


225.1428,
210.2719, 149.3964


 9.9287, 7.3593,
1.6837


 36.9114, 31.1229,
14.2535


 5.4136, 3.6878,
0.3495

 51.6026, 44.5752,
22.8158

 2.5292, 1.5005,
0.0000

 69.7512, 61.4336,
34.2617

 0.9100, 0.2891,
0.0000

 91.7225, 82.0825,
49.0100

 0.0000, 0.0000,
0.0000

 117.8820,
106.9065, 67.4790

 148.5950,

136.2897, 90.0874

184.2268,
170.6168, 117.2537

■ 16.4398, 12.8994,
4.1060

■ 16.4398, 12.8994,
4.1060

■ 15.5019, 11.4107,
2.6005

■ 17.5924, 14.6490,
6.2032

■ 14.7612, 10.1668,
1.6216

■ 18.9732, 16.6702,
8.9465

■ 14.2022, 9.1822,
1.0238

■ 20.5959, 18.9757,
12.3847

■ 22.4723, 21.5764,
16.5617

■ 24.6135, 24.4829,
21.5179

■ 27.0302, 27.7050,
27.2904

■ 29.7320, 31.2522,
33.9144

■ 32.7284, 35.1335,
41.4225

■ 36.0282, 39.3575,
49.8460

Harmonies

Analogous

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



18.9507, 12.8994, 8.2398



16.4398, 12.8994, 4.1060



13.0757, 12.8994, 2.7454

Triad

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



16.4398, 12.8994, 4.1060



7.0648, 12.8994, 11.8821



14.8161, 12.8994, 37.7641

Complementary

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



16.4398, 12.8994, 4.1060



12.8800, 15.0855, 31.9385

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.



11.4799, 12.8994, 40.1857



16.4398, 12.8994, 4.1060



7.3655, 12.8994, 22.0859

Square

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



16.4398, 12.8994, 4.1060



7.9482, 12.8994, 5.7660



8.8573, 12.8994, 33.5162



17.9040, 12.8994, 27.8813

Rectangle

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



16.4398, 12.8994, 4.1060



10.9483, 12.8994, 2.8425



8.8573, 12.8994, 33.5162



13.6735, 12.8994, 39.6143

Sweetspot

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



16.4401, 12.9001, 4.1062



43.0404, 42.6694, 37.0292



17.0590, 9.8209, 17.6214



9.5583, 9.3954, 7.8925



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.



16.4401, 12.9001, 4.1062



26.6362, 18.9383, 3.5768



21.9706, 23.9610, 5.9497



6.3748, 6.5546, 6.5350



11.9350, 7.7525, 0.8673



0.2102, 0.1794, 0.0235

Inverse Universe

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



12.8800, 15.0855, 31.9385



19.8591, 22.8547, 55.7984



8.5180, 6.3616, 30.4845



6.2046, 6.6667, 7.8887



8.5574, 9.5114, 26.2926



0.1616, 0.2095, 0.4043

Previews

White Background



This preview shows how the XYZ color 16.4398, 12.8994, 4.1060 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 16.4398, 12.8994, 4.1060 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

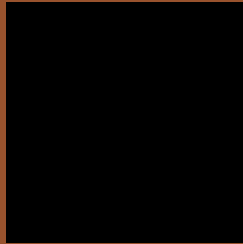
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 16.4398, 12.8994, 4.1060

Background



This preview shows how black text looks on a background with the XYZ color 16.4398, 12.8994, 4.1060.



This preview shows how white text looks on a background with the XYZ color 16.4398, 12.8994,

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

16.4398, 12.8994, 4.1060

Protanopia

11.9333, 12.9911, 5.0106

Deuteranopia

13.1873, 12.9615, 3.9046



Tritanopia

17.6121, 12.9433, 9.7537

Trichromacy



Original Color

16.4398, 12.8994, 4.1060

Protanomaly

13.3095, 12.7392, 4.6632

Deuteranomaly

14.1507, 12.8002, 3.9154

Tritanomaly

17.0070, 12.7939, 7.2033

Monochromacy



Original Color

16.4398, 12.8994, 4.1060

Achromatopsia

11.8596, 12.4772, 13.5877

Achromatomaly

12.7968, 12.2448, 9.0861

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.4398, 12.8994, 4.1060 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(152, 82, 45)` looks like.

```
.text, #text, p{  
    color:rgb(152, 82, 45)  
}
```

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(152, 82, 45) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(152, 82, 45) }
```

Border

The CSS property to change the border of an element to XYZ 16.4398, 12.8994, 4.1060 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(152, 82, 45) }
```


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

```
.border{ border-color:rgb(152, 82, 45) }
```

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

Here you see how a box with a 4 pixel rgb(152, 82, 45) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(152, 82, 45); -webkit-box-  
shadow:4px 4px 4px 4px rgb(152, 82, 45);  
box-shadow:4px 4px 4px 4px rgb(152, 82,  
45) }
```

Background

The CSS property to change the background color of an element to XYZ 16.4398, 12.8994, 4.1060 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(152, 82, 45) }
```

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

```
.background{ background-color: rgb(152, 82,  
45) }
```

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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