

Converting Colors

XYZ(16.3972, 13.5742, 4.4452)

Have a look what the booklet for
XYZ(16.3972, 13.5742, 4.4452)
contains.

XYZ(16.3972, 13.5742, 4.4452)	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(16.3972, 13.5742,
4.4452)**

Conversions

Conversions Part 1

Format	Color
Hex	95582F
RGB	149, 88, 47
RGB Percent	58%, 35%, 18%
CMY	0.4157, 0.6549, 0.8157
CMYK	0.00, 0.41, 0.68, 0.42
HSL	24°, 52%, 38%
HSV	24°, 68%, 58%
XYZ	16.3972, 13.5742, 4.4452
YIQ	101.5650, 49.5170, 0.1810

Conversions

Conversions Part 2

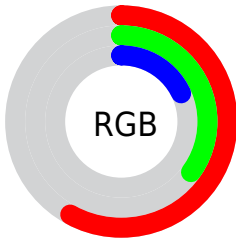
Format	Color
R _{YB}	149, 116, 47
Decimal	9787439
CIE Lab	43.62, 21.38, 33.92
CIE LCh	44, 40.094, 57.779
Yxy	13.5742, 0.4764, 0.3944
Android (android.graphics.Color)	4287977519 (0xFF95582F)
YUV	101.5650, -26.9005, 41.6005
Hunter-Lab	36.8432, 14.9665, 18.6368

Details

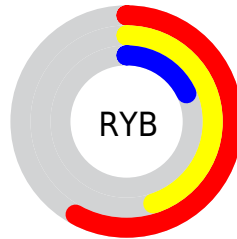
The XYZ color **16.3972, 13.5742, 4.4452** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **11.9593, 13.4987, 30.4087**, and the grayscale version is **12.5750, 13.2299, 14.4073**.

A 20% lighter version of the original color is **36.8862, 32.2686, 15.1108**, and **5.4090, 3.9656, 0.4803** is the 20% darker color. If you saturate the color by 10%, you get **15.4592, 12.0999, 2.8945**, and if you desaturate by 10%, it is **17.5279, 15.2698, 6.5668**.

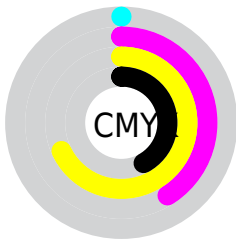
Distribution



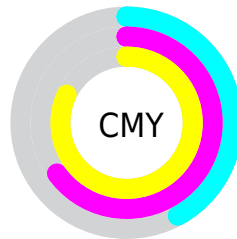
- Red (58%)
- Green (35%)
- Blue (18%)



- Red (58%)
- Yellow (45%)
- Blue (18%)



- Cyan (0%)
- Magenta (41%)
- Yellow (68%)
- Black (42%)





- Cyan (42%)
- Magenta (65%)
- Yellow (82%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 16.3972, 13.5742, 4.4452 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 16.3972, 13.5742, 4.4452 by changing the saturation by 10% instead.


 16.3972, 13.5742,
4.4452

 16.3972, 13.5742,
4.4452


224.8988,
214.5656, 153.0522


 9.8983, 7.8251,
1.8726


 36.8383, 32.3316,
15.0242


 5.3933, 3.9832,
0.4752

 51.5112, 46.1087,
23.8676

 2.5169, 1.6642,
0.0000

 69.6395, 63.3305,
35.6385

 0.9038, 0.4003,
0.0000

 91.5885, 84.3816,
50.7552

 0.0000, 0.0000,
0.0000

 117.7236,
109.6462, 69.6364

 148.4101,

139.5088, 92.7006

184.0134,
174.3538, 120.3664

■ 16.3972, 13.5742,
4.4452

■ 16.3972, 13.5742,
4.4452

■ 15.4592, 12.0999,
2.8945

■ 17.5279, 15.2698,
6.5668

■ 14.6988, 10.8340,
1.8551

■ 18.8629, 17.1945,
9.3091

■ 14.0903, 9.7613,
1.2076

■ 20.4136, 19.3581,
12.7175

■ 14.0048, 9.6105,
1.1169

■ 22.1905, 21.7692,
16.8325

■ 24.2031, 24.4359,
21.6917

■ 26.4605, 27.3659,
27.3298

■ 28.9711, 30.5665,
33.7795

■ 31.7431, 34.0448,
41.0714

■ 34.7841, 37.8076,
49.2347

Harmonies

Analogous

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



19.0166, 13.5742, 8.0956



16.3972, 13.5742, 4.4452



13.1373, 13.5742, 3.3584

Triad

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



16.3972, 13.5742, 4.4452



7.7592, 13.5742, 14.1199



15.9262, 13.5742, 35.9713

Complementary

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



16.3972, 13.5742, 4.4452



11.9593, 13.4987, 30.4087

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.



12.6693, 13.5742, 39.6748



16.3972, 13.5742, 4.4452



8.2623, 13.5742, 24.3954

Square

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



16.3972, 13.5742, 4.4452



8.4374, 13.5742, 7.3431



9.9423, 13.5742, 34.7723



18.7152, 13.5742, 26.0528

Rectangle

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



16.3972, 13.5742, 4.4452



11.1442, 13.5742, 3.6703



9.9423, 13.5742, 34.7723



14.8352, 13.5742, 38.1250

Sweetspot

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



16.3975, 13.5749, 4.4454



42.2292, 42.2945, 36.1191



16.1283, 9.5096, 15.2288



9.1595, 9.1098, 7.5226



71.1368, 74.8414, 81.5023



11.3376, 11.9280, 12.9896

Same Dimension

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



16.3975, 13.5749, 4.4454



26.9383, 20.4433, 4.1072



22.1111, 25.0020, 6.3500



5.9807, 6.1753, 6.1172



11.8148, 8.1439, 0.9492



0.1722, 0.1548, 0.0208

Inverse Universe

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



11.9593, 13.4987, 30.4087



18.3759, 20.1844, 53.8487



8.0702, 5.7205, 29.1123



5.7705, 6.1749, 7.3575



7.6091, 7.9131, 25.0574



0.1221, 0.1548, 0.3163

Previews

White Background



This preview shows how the XYZ color 16.3972, 13.5742, 4.4452 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 16.3972, 13.5742, 4.4452 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

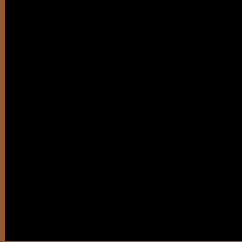
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 16.3972, 13.5742, 4.4452

Background



This preview shows how black text looks on a background with the XYZ color 16.3972, 13.5742, 4.4452.



This preview shows how white text looks on a background with the XYZ color 16.3972, 13.5742,

4.4452.

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

16.3972, 13.5742, 4.4452

Protanopia

12.5096, 13.7260, 5.2389

Deuteranopia

13.8186, 13.6947, 4.2979



Tritanopia

17.8453, 13.5832, 11.1325

Trichromacy



Original Color

16.3972, 13.5742, 4.4452

Protanomaly

13.6958, 13.4777, 4.8972

Deuteranomaly

14.7192, 13.6081, 4.3335

Tritanomaly

17.2470, 13.5707, 8.1890

Monochromacy



Original Color

16.3972, 13.5742, 4.4452

Achromatopsia

12.6291, 13.2868, 14.4694

Achromatomaly

13.4054, 13.0805, 9.8009

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.3972, 13.5742, 4.4452 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(149, 88, 47)` looks like.

```
.text, #text, p{  
    color:rgb(149, 88, 47)  
}
```

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(149, 88, 47) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(149, 88, 47) }
```

Border

The CSS property to change the border of an element to XYZ 16.3972, 13.5742, 4.4452 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(149, 88, 47) }
```


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

```
.border{ border-color:rgb(149, 88, 47) }
```

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

Here you see how a box with a 4 pixel rgb(149, 88, 47) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(149, 88, 47); -webkit-box-  
shadow:4px 4px 4px 4px rgb(149, 88, 47);  
box-shadow:4px 4px 4px 4px rgb(149, 88,  
47) }
```

Background

The CSS property to change the background color of an element to XYZ 16.3972, 13.5742, 4.4452 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(149, 88, 47) }
```

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

```
.background{ background-color: rgb(149, 88,  
47) }
```

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