

Converting Colors

XYZ(15.4477, 10.9185, 4.6599)

Have a look what the booklet for
XYZ(15.4477, 10.9185, 4.6599)
contains.

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Color

**XYZ(15.4722, 10.9706,
4.6702)**

Conversions

Conversions Part 1

Format	Color
Hex	974435
RGB	151, 68, 53
RGB Percent	59%, 27%, 21%
CMY	0.4078, 0.7333, 0.7922
CMYK	0.00, 0.55, 0.65, 0.41
HSL	9°, 48%, 40%
HSV	9°, 65%, 59%
XYZ	15.4722, 10.9706, 4.6702
YIQ	91.1070, 54.2830, 12.9310

Conversions

Conversions Part 2

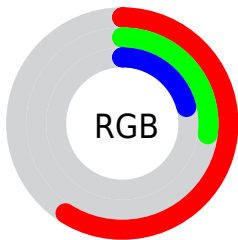
Format	Color
R_{YB}	151, 71, 53
Decimal	9913397
CIE _{Lab}	39.53, 33.65, 25.73
CIE _{LCh}	40, 42.362, 37.407
Yxy	10.9706, 0.4973, 0.3526
Android (android.graphics.Color)	4288103477 (0xFF974435)
YUV	91.1070, -18.7868, 52.5262
Hunter-Lab	33.1219, 25.4192, 14.8254

Details

The XYZ color **15.4722, 10.9706, 4.6702** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **15.8575, 20.5981, 32.4180**, and the grayscale version is **10.0014, 10.5222, 11.4587**.

A 20% lighter version of the original color is **35.0732, 27.4323, 15.5030**, and **4.9849, 2.8852, 0.5526** is the 20% darker color. If you saturate the color by 10%, you get **14.4872, 9.4716, 2.8900**, and if you desaturate by 10%, it is **16.7359, 12.8520, 7.0835**.

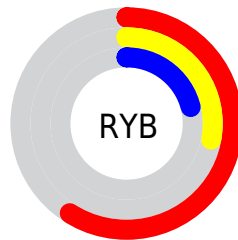
Distribution



Red (59%)

Green (27%)

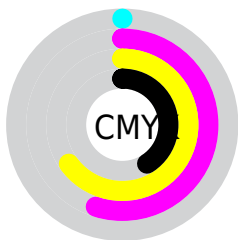
Blue (21%)



Red (59%)

Yellow (28%)

Blue (21%)

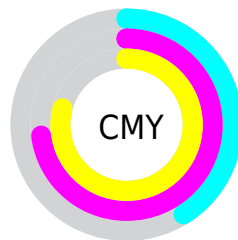


Cyan (0%)

Magenta (55%)

Yellow (65%)

Black (41%)



Cyan (41%)


Magenta (73%)


Yellow (79%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 15.4722, 10.9706, 4.6702 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 15.4722, 10.9706, 4.6702 by changing the saturation by 10% instead.


 15.4722, 10.9706,
4.6702


 15.4722, 10.9706,
4.6702


219.5390,
197.4657, 155.4064


 9.2399, 6.0471,
1.9998


 35.2444, 27.6058,
15.5281


 4.9564, 2.8737,
0.5551

 49.5149, 40.0862,
24.5527


 2.2562, 1.0662,
0.0000

 67.1957, 55.8544,
36.5323

 0.7721, 0.0000,
0.0000

 88.6519, 75.2948,
51.8857

 0.0000, 0.0000,
0.0000

 114.2490, 98.7917,
71.0312

 144.3523,

126.7296, 94.3875

179.3272,
159.4928, 122.3730

■ 15.4722, 10.9706,
4.6702

■ 15.4722, 10.9706,
4.6702

■ 14.4872, 9.4716,
2.8900

■ 16.7359, 12.8520,
7.0835

■ 13.7583, 8.3269,
1.6823

■ 18.2970, 15.1380,
10.1818

■ 13.2598, 7.5066,
0.9712

■ 20.1734, 17.8511,
14.0121

■ 13.0712, 7.1968,
0.7002

■ 22.3812, 21.0117,
18.6172

■ 24.9355, 24.6386,
24.0366

■ 27.8506, 28.7500,
30.3071

■ 31.1397, 33.3627,
37.4630

■ 34.8156, 38.4929,
45.5372

■ 38.8904, 44.1560,
54.5605

Harmonies

Analogous

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



16.9373, 10.9706, 10.0155



15.4722, 10.9706, 4.6702



12.7021, 10.9706, 2.4720

Triad

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



15.4722, 10.9706, 4.6702



6.1055, 10.9706, 6.8304



11.1573, 10.9706, 35.5763

Complementary

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



15.4722, 10.9706, 4.6702



15.8575, 20.5981, 32.4180

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.



8.4416, 10.9706, 33.3782



15.4722, 10.9706, 4.6702



5.8443, 10.9706, 14.1079

Square

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



15.4722, 10.9706, 4.6702



7.4127, 10.9706, 3.2583



6.6188, 10.9706, 24.3977



14.1649, 10.9706, 29.4851

Rectangle

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



15.4722, 10.9706, 4.6702



10.6797, 10.9706, 2.0753



6.6188, 10.9706, 24.3977



10.1787, 10.9706, 35.8171

Sweetspot

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



15.4725, 10.9712, 4.6704



42.5290, 41.1096, 38.5141



18.5008, 10.9116, 24.5354



9.3940, 8.9568, 8.1767



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.



15.4725, 10.9712, 4.6704



25.2820, 15.9310, 4.0470



19.7314, 19.4890, 6.0900



6.2814, 6.3679, 6.5039



11.1344, 6.1511, 0.6004



0.1835, 0.1261, 0.0147

Inverse Universe

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



15.8575, 20.5981, 32.4180



25.9327, 34.3683, 57.7006



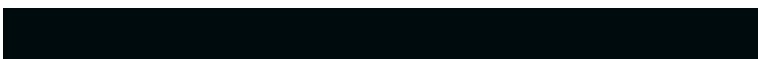
10.4866, 9.8563, 30.6277



6.3040, 6.8654, 7.9219



11.3223, 15.0412, 27.2142



0.1884, 0.2631, 0.4132

Previews

White Background



This preview shows how the XYZ color 15.4722, 10.9706, 4.6702 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 15.4722, 10.9706, 4.6702 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 15.4722, 10.9706, 4.6702

Background



This preview shows how black text looks on a background with the XYZ color 15.4722, 10.9706, 4.6702.



This preview shows how white text looks on a background with the XYZ color 15.4722, 10.9706,

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

15.4722, 10.9706, 4.6702

Protanopia

10.3794, 11.1891, 6.3153

Deuteranopia

11.1970, 11.0113, 4.4410



Tritanopia

16.0026, 11.0140, 7.0768

Trichromacy



Original Color

15.4722, 10.9706, 4.6702

Protanomaly

11.7836, 10.8058, 5.6023

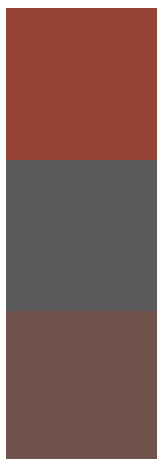
Deuteranomaly

12.4202, 10.7043, 4.4291

Tritanomaly

15.8815, 11.0599, 6.1482

Monochromacy



Original Color

15.4722, 10.9706, 4.6702

Achromatopsia

9.9438, 10.4616, 11.3927

Achromatomaly

11.2429, 10.2330, 8.4038

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.4722, 10.9706, 4.6702 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(151, 68, 53)` looks like.

```
.text, #text, p{  
    color:rgb(151, 68, 53)  
}
```

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(151, 68, 53) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 68, 53) }
```

Border

The CSS property to change the border of an element to XYZ 15.4722, 10.9706, 4.6702 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(151, 68, 53) }
```


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

```
.border{ border-color:rgb(151, 68, 53) }
```

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

Here you see how a box with a 4 pixel `rgb(151, 68, 53)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(151, 68, 53); -webkit-box-  
shadow:4px 4px 4px 4px rgb(151, 68, 53);  
box-shadow:4px 4px 4px 4px rgb(151, 68,  
53) }
```

Background

The CSS property to change the background color of an element to XYZ 15.4722, 10.9706, 4.6702 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(151, 68, 53) }
```

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

```
.background{ background-color: rgb(151, 68,  
53) }
```

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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