

Converting Colors

XYZ(15.4975, 12.7854, 4.6652)

Have a look what the booklet for
XYZ(15.4975, 12.7854, 4.6652)
contains.

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Color

**XYZ(15.5013, 12.7470,
4.6610)**

Conversions

Conversions Part 1

Format	Color
Hex	915532
RGB	145, 85, 50
RGB Percent	57%, 33%, 20%
CMY	0.4314, 0.6667, 0.8039
CMYK	0.00, 0.41, 0.66, 0.43
HSL	22°, 49%, 38%
HSV	22°, 66%, 57%
XYZ	15.5013, 12.7470, 4.6610
YIQ	98.9500, 46.9950, 1.8350

Conversions

Conversions Part 2

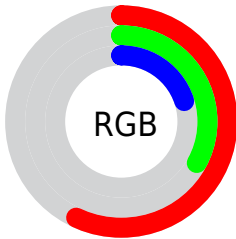
Format	Color
R_{YB}	145, 105, 50
Decimal	9524530
CIE _{Lab}	42.38, 21.54, 30.69
CIE _{LCh}	42, 37.497, 54.934
Yxy	12.7470, 0.4710, 0.3873
Android (android.graphics.Color)	4287714610 (0xFF915532)
YUV	98.9500, -24.1324, 40.3858
Hunter-Lab	35.7029, 15.0200, 17.2518

Details

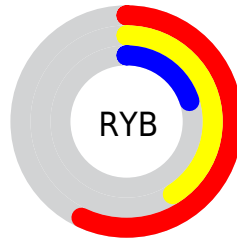
The XYZ color **15.5013, 12.7470, 4.6610** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **12.0019, 13.8737, 28.8334**, and the grayscale version is **11.8980, 12.5176, 13.6317**.

A 20% lighter version of the original color is **35.1788, 30.7476, 15.3900**, and **4.9639, 3.6335, 0.5546** is the 20% darker color. If you saturate the color by 10%, you get **14.5618, 11.2919, 3.0414**, and if you desaturate by 10%, it is **16.6338, 14.4298, 6.8341**.

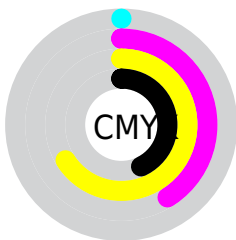
Distribution



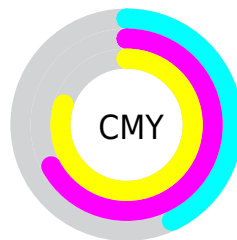
- Red (57%)
- Green (33%)
- Blue (20%)



- Red (57%)
- Yellow (41%)
- Blue (20%)



- Cyan (0%)
- Magenta (41%)
- Yellow (66%)
- Black (43%)





- Cyan (43%)
- Magenta (67%)
- Yellow (80%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.5013, 12.7470, 4.6610 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 15.5013, 12.7470, 4.6610 by changing the saturation by 10% instead.


 15.5013, 12.7470,
4.6610


 15.5013, 12.7470,
4.6610


219.7094,
209.2898, 155.3112


 9.2606, 7.2546,
1.9945


 35.2947, 30.8485,
15.5076

 4.9700, 3.6218,
0.5519

 49.5781, 44.2264,
24.5248


 2.2642, 1.4643,
0.0000

 67.2731, 61.0015,
36.4961

 0.7763, 0.2634,
0.0000

 88.7451, 81.5583,
51.8398

 0.0000, 0.0000,
0.0000

 114.3593,
106.2811, 70.9747

 144.4812,

135.5543, 94.3192

179.4761,
169.7625, 122.2918

■ 15.5013, 12.7470,
4.6610

■ 15.5013, 12.7470,
4.6610

■ 14.5618, 11.2919,
3.0414

■ 16.6338, 14.4298,
6.8341

■ 13.8011, 10.0513,
1.9222

■ 17.9704, 16.3483,
9.6057

■ 13.2022, 9.0131,
1.2305

■ 19.5219, 18.5126,
13.0170

■ 12.9697, 8.6050,
0.9774

■ 21.2985, 20.9317,
17.1053

■ 23.3093, 23.6138,
21.9049

■ 25.5630, 26.5669,
27.4479

■ 28.0679, 29.7987,
33.7643

■ 30.8318, 33.3165,
40.8825

■ 33.8622, 37.1272,
48.8295

Harmonies

Analogous

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



17.7205, 12.7470, 8.3132



15.5013, 12.7470, 4.6610



12.6002, 12.7470, 3.4527

Triad

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



15.5013, 12.7470, 4.6610



7.4818, 12.7470, 12.5543



14.5454, 12.7470, 33.2316

Complementary

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



15.5013, 12.7470, 4.6610



12.0019, 13.8737, 28.8334

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.



11.6437, 12.7470, 35.7729



15.5013, 12.7470, 4.6610



7.8381, 12.7470, 21.4995

Square

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



15.5013, 12.7470, 4.6610



8.2012, 12.7470, 6.7390



9.2628, 12.7470, 30.8401



17.1114, 12.7470, 24.8343

Rectangle

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



15.5013, 12.7470, 4.6610



10.7727, 12.7470, 3.6392



9.2628, 12.7470, 30.8401



13.5657, 12.7470, 34.9089

Sweetspot

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



15.5016, 12.7477, 4.6612



39.9255, 39.8754, 34.8535



15.6413, 9.4304, 15.7954



8.6845, 8.6068, 7.2843



69.3244, 72.9347, 79.4259



10.7221, 11.2805, 12.2844

Same Dimension

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



15.5016, 12.7477, 4.6612



25.3408, 19.0355, 4.3130



20.5493, 22.8431, 6.3438



5.5615, 5.7292, 5.7021



11.1478, 7.4272, 0.8460



0.1264, 0.1106, 0.0147

Inverse Universe

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



12.0019, 13.8737, 28.8334



18.5072, 21.0923, 51.0693



8.1854, 6.2408, 27.5612



5.3955, 5.7867, 6.8613



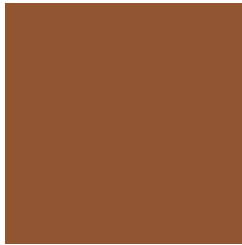
7.6601, 8.3062, 24.1766



0.0944, 0.1216, 0.2382

Previews

White Background



This preview shows how the XYZ color 15.5013, 12.7470, 4.6610 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 15.5013, 12.7470, 4.6610 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 15.5013, 12.7470, 4.6610

Background



This preview shows how black text looks on a background with the XYZ color 15.5013, 12.7470, 4.6610.



This preview shows how white text looks on a background with the XYZ color 15.5013, 12.7470,

4.6610.

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

15.5013, 12.7470, 4.6610

Protanopia

11.8988, 12.9627, 5.4893

Deuteranopia

13.0286, 12.8642, 4.5927



Tritanopia

16.6954, 12.7760, 10.6029

Trichromacy



Original Color

15.5013, 12.7470, 4.6610

Protanomaly

12.9032, 12.6524, 5.1302

Deuteranomaly

13.8972, 12.7816, 4.6404

Tritanomaly

16.1074, 12.6400, 8.0694

Monochromacy



Original Color

15.5013, 12.7470, 4.6610

Achromatopsia

11.8596, 12.4772, 13.5877

Achromatomaly

12.6904, 12.3125, 9.4923

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.5013, 12.7470, 4.6610 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(145, 85, 50)` looks like.

```
.text, #text, p{  
    color:rgb(145, 85, 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(145, 85, 50) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 85, 50) }
```

Border

The CSS property to change the border of an element to XYZ 15.5013, 12.7470, 4.6610 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(145, 85, 50) }
```


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

```
.border{ border-color:rgb(145, 85, 50) }
```

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

Here you see how a box with a 4 pixel rgb(145, 85, 50) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(145, 85, 50); -webkit-box-  
shadow:4px 4px 4px 4px rgb(145, 85, 50);  
box-shadow:4px 4px 4px 4px rgb(145, 85,  
50) }
```

Background

The CSS property to change the background color of an element to XYZ 15.5013, 12.7470, 4.6610 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(145, 85, 50) }
```

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

```
.background{ background-color: rgb(145, 85,  
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](#).

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