

Converting Colors

XYZ(17.9196, 15.2949, 4.7680)

Have a look what the booklet for
XYZ(17.9196, 15.2949, 4.7680)
contains.

XYZ(17.9521, 15.2678, 4.7971)	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(17.9521, 15.2678,
4.7971)**

Conversions

Conversions Part 1

Format	Color
Hex	9A5F30
RGB	154, 95, 48
RGB Percent	60%, 37%, 19%
CMY	0.3961, 0.6274, 0.8118
CMYK	0.00, 0.38, 0.69, 0.40
HSL	27°, 52%, 40%
HSV	27°, 69%, 60%
XYZ	17.9521, 15.2678, 4.7971
YIQ	107.2830, 50.2510, -2.1090

Conversions

Conversions Part 2

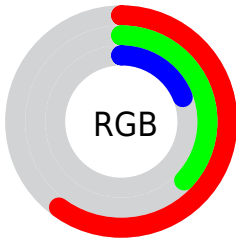
Format	Color
R_{YB}	154, 132, 48
Decimal	10116912
CIE _{Lab}	46.00, 19.64, 36.26
CIE _{LCh}	46, 41.235, 61.555
Yxy	15.2678, 0.4722, 0.4016
Android (android.graphics.Color)	4288306992 (0xFF9A5F30)
YUV	107.2830, -29.2265, 40.9708
Hunter-Lab	39.0740, 13.6301, 20.0728

Details

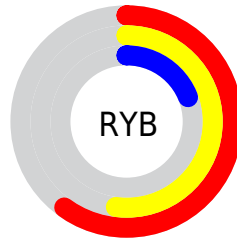
The XYZ color **17.9521, 15.2678, 4.7971** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **12.3090, 13.4761, 32.5240**, and the grayscale version is **14.1230, 14.8585, 16.1809**.

A 20% lighter version of the original color is **39.5416, 35.3993, 15.8150**, and **6.0940, 4.7106, 0.5880** is the 20% darker color. If you saturate the color by 10%, you get **16.9578, 13.7025, 3.1608**, and if you desaturate by 10%, it is **19.1425, 17.0487, 7.0435**.

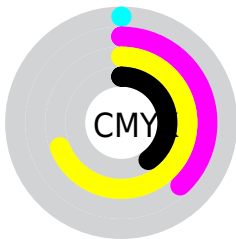
Distribution



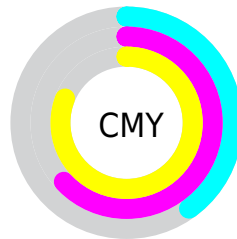
- Red (60%)
- Green (37%)
- Blue (19%)



- Red (60%)
- Yellow (52%)
- Blue (19%)



- Cyan (0%)
- Magenta (38%)
- Yellow (69%)
- Black (40%)



- Cyan (40%)
- Magenta (63%)
- Yellow (81%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.9521, 15.2678, 4.7971 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 17.9521, 15.2678, 4.7971 by changing the saturation by 10% instead.

■ 17.9521, 15.2678,
4.7971

■ 17.9521, 15.2678,
4.7971

233.6517,
224.9815, 156.7112

■ 11.0151, 9.0076,
2.0721

■ 39.4864, 35.3223,
15.8100

■ 6.1444, 4.7461,
0.5991

■ 54.8144, 49.8853,
24.9349

■ 2.9745, 2.0991,
0.0000

■ 73.6701, 67.9848,
37.0302

■ 1.1403, 0.6641,
0.0000

■ 96.4189, 90.0050,
52.5144

■ 0.0584, 0.0000,
0.0000

■ 123.4261,
116.3303, 71.8061

■ 0.0000, 0.0000,
0.0000

■ 155.0571,

147.3453, 95.3237

191.6771,
183.4342, 123.4859

■ 17.9521, 15.2678,
4.7971

■ 17.9521, 15.2678,
4.7971

■ 16.9578, 13.7025,
3.1608

■ 19.1425, 17.0487,
7.0435

■ 16.1437, 12.3403,
2.0697

■ 20.5407, 19.0523,
9.9541

■ 15.4823, 11.1661,
1.3910

■ 22.1589, 21.2880,
13.5782

■ 15.4109, 11.0392,
1.3185

■ 24.0075, 23.7638,
17.9598

■ 26.0965, 26.4874,
23.1396

■ 28.4350, 29.4662,
29.1551

■ 31.0319, 32.7069,
36.0417

■ 33.8954, 36.2163,
43.8325

■ 37.0333, 40.0008,
52.5590

Harmonies

Analogous

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



21.0214, 15.2678, 8.4519



17.9521, 15.2678, 4.7971



14.3300, 15.2678, 3.8554

Triad

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



17.9521, 15.2678, 4.7971



8.7791, 15.2678, 17.1517



18.3185, 15.2678, 38.9970

Complementary

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



17.9521, 15.2678, 4.7971



12.3090, 13.4761, 32.5240

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.



14.6947, 15.2678, 44.2242



17.9521, 15.2678, 4.7971



9.5071, 15.2678, 28.8610

Square

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



17.9521, 15.2678, 4.7971



9.3702, 15.2678, 9.0412



11.5414, 15.2678, 39.9261



21.2557, 15.2678, 27.5742

Rectangle

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



17.9521, 15.2678, 4.7971



12.1809, 15.2678, 4.3830



11.5414, 15.2678, 39.9261



17.1221, 15.2678, 41.7041

Sweetspot

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



17.9525, 15.2686, 4.7974



46.3806, 46.7911, 39.4542



17.0937, 10.0681, 15.2485



10.2754, 10.3015, 8.3758



74.8435, 78.7412, 85.7492



12.6291, 13.2868, 14.4694

Same Dimension

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



17.9525, 15.2686, 4.7974



29.9046, 23.4045, 4.4734



24.2831, 27.9300, 6.9076



6.4230, 6.6510, 6.5511



12.5904, 9.0633, 1.0858



0.2237, 0.2064, 0.0281

Inverse Universe

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



12.3090, 13.4761, 32.5240



18.8925, 19.8406, 58.3702



8.4211, 5.7003, 31.2281



6.1552, 6.5678, 7.8723



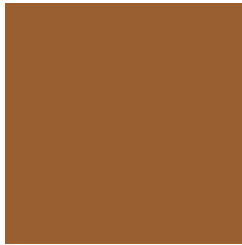
7.4806, 7.3579, 25.9337



0.1481, 0.1825, 0.3998

Previews

White Background



This preview shows how the XYZ color 17.9521, 15.2678, 4.7971 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 17.9521, 15.2678, 4.7971 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

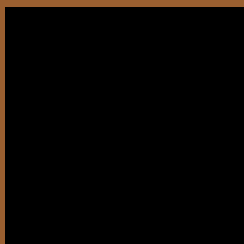
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 17.9521, 15.2678, 4.7971

Background



This preview shows how black text looks on a background with the XYZ color 17.9521, 15.2678, 4.7971.



This preview shows how white text looks on a background with the XYZ color 17.9521, 15.2678,

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

17.9521, 15.2678, 4.7971

Protanopia

14.0809, 15.4647, 5.4917

Deuteranopia

15.5968, 15.3321, 4.7221



Tritanopia

19.6721, 15.3250, 12.9875

Trichromacy



Original Color

17.9521, 15.2678, 4.7971

Protanomaly

15.3220, 15.3287, 5.2831

Deuteranomaly

16.4945, 15.3522, 4.7832

Tritanomaly

18.9487, 15.2867, 9.3491

Monochromacy



Original Color

17.9521, 15.2678, 4.7971

Achromatopsia

13.9749, 14.7027, 16.0113

Achromatomaly

14.8421, 14.6575, 10.8510

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.9521, 15.2678, 4.7971 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(154, 95, 48)` looks like.

```
.text, #text, p{  
    color:rgb(154, 95, 48)  
}
```

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(154, 95, 48) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 95, 48) }
```

Border

The CSS property to change the border of an element to XYZ 17.9521, 15.2678, 4.7971 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(154, 95, 48) }
```


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

```
.border{ border-color:rgb(154, 95, 48) }
```

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

Here you see how a box with a 4 pixel rgb(154, 95, 48) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(154, 95, 48); -webkit-box-  
shadow:4px 4px 4px 4px rgb(154, 95, 48);  
box-shadow:4px 4px 4px 4px rgb(154, 95,  
48) }
```

Background

The CSS property to change the background color of an element to XYZ 17.9521, 15.2678, 4.7971 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(154, 95, 48) }
```

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

```
.background{ background-color: rgb(154, 95,  
48) }
```

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