

Converting Colors

XYZ(18.9506, 15.1729, 8.7675)

Have a look what the booklet for
XYZ(18.9506, 15.1729, 8.7675)
contains.

XYZ(18.9502, 15.1721, 8.7672)	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(18.9502, 15.1721,
8.7672)**

Conversions

Conversions Part 1

Format	Color
Hex	9D5B4C
RGB	157, 91, 76
RGB Percent	62%, 36%, 30%
CMY	0.3843, 0.6431, 0.7020
CMYK	0.00, 0.42, 0.52, 0.38
HSL	11°, 35%, 46%
HSV	11°, 52%, 62%
XYZ	18.9502, 15.1721, 8.7672
YIQ	109.0240, 44.1510, 9.3270

Conversions

Conversions Part 2

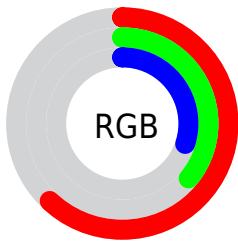
Format	Color
R_{YB}	157, 94, 76
Decimal	10312524
CIE _{Lab}	45.87, 25.42, 20.31
CIE _{LCh}	46, 32.536, 38.619
Yxy	15.1721, 0.4418, 0.3537
Android (android.graphics.Color)	4288502604 (0xFF9D5B4C)
YUV	109.0240, -16.2808, 42.0750
Hunter-Lab	38.9514, 18.6770, 13.9209

Details

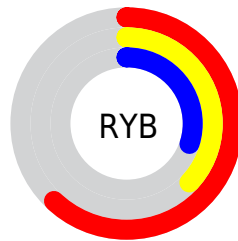
The XYZ color **18.9502, 15.1721, 8.7672** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **18.7387, 23.3155, 35.4108**, and the grayscale version is **14.5790, 15.3382, 16.7034**.

A 20% lighter version of the original color is **41.1062, 35.1228, 24.0149**, and **6.6409, 4.7304, 1.9296** is the 20% darker color. If you saturate the color by 10%, you get **17.4677, 12.9766, 5.9009**, and if you desaturate by 10%, it is **20.7531, 17.7953, 12.3978**.

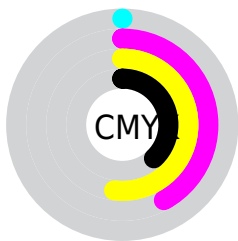
Distribution



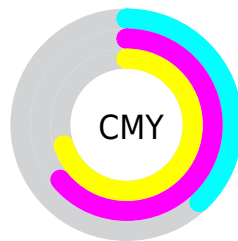
- Red (62%)
- Green (36%)
- Blue (30%)



- Red (62%)
- Yellow (37%)
- Blue (30%)



- Cyan (0%)
- Magenta (42%)
- Yellow (52%)
- Black (38%)



- Cyan (38%)
- Magenta (64%)
- Yellow (70%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.9502, 15.1721, 8.7672 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 18.9502, 15.1721, 8.7672 by changing the saturation by 10% instead.

■ 18.9502, 15.1721,
8.7672

■ 18.9502, 15.1721,
8.7672

239.1171,
224.4055, 191.7853

■ 11.7381, 8.9403,
4.4949

■ 41.1675, 35.1548,
24.0198

■ 6.6365, 4.7022,
1.9006

■ 56.9033, 49.6745,
35.8372

■ 3.2801, 2.0736,
0.4931

■ 76.2111, 67.7255,
51.0068

■ 1.3036, 0.6497,
0.0000

■ 99.4563, 89.6924,
69.9470

■ 0.1859, 0.0000,
0.0000

■ 127.0041,
115.9594, 93.0764

■ 0.0000, 0.0000,
0.0000

159.2199,

146.9110, 120.8136

196.4691,
182.9316, 153.5770

■ 18.9502, 15.1721,
8.7672

■ 18.9502, 15.1721,
8.7672

■ 17.4677, 12.9766,
5.9009

■ 20.7531, 17.7953,
12.3978

■ 16.2851, 11.1836,
3.7429

■ 22.8929, 20.8649,
16.8415

■ 15.3814, 9.7688,
2.2309

■ 25.3864, 24.4015,
22.1439

■ 14.7318, 8.7043,
1.2913

■ 28.2488, 28.4235,
28.3472

■ 14.3459, 8.0508,
0.7978

■ 31.4943, 32.9484,
35.4907

■ 35.1367, 37.9929,
43.6112

■ 39.1888, 43.5728,
52.7439

■ 43.6629, 49.7033,
62.9218

■ 48.5708, 56.3989,
74.1768

Harmonies

Analogous

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



20.2941, 15.1721, 14.3564



18.9502, 15.1721, 8.7672



16.4318, 15.1721, 6.0632

Triad

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



18.9502, 15.1721, 8.7672



10.0429, 15.1721, 11.5989



15.2262, 15.1721, 36.4259

Complementary

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



18.9502, 15.1721, 8.7672



18.7387, 23.3155, 35.4108

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.



12.5807, 15.1721, 34.9724



18.9502, 15.1721, 8.7672



9.8062, 15.1721, 18.8904

Square

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



18.9502, 15.1721, 8.7672



11.3708, 15.1721, 7.3002



10.6773, 15.1721, 27.8647



17.9722, 15.1721, 31.3688

Rectangle

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



18.9502, 15.1721, 8.7672



14.5482, 15.1721, 5.5475



10.6773, 15.1721, 27.8647



14.2938, 15.1721, 36.7084

Sweetspot

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



18.9506, 15.1729, 8.7675



48.6172, 48.1376, 46.4675



21.3828, 14.2945, 27.2823



10.4772, 10.2823, 9.7462



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.



18.9506, 15.1729, 8.7675



30.9086, 22.6780, 9.8661



23.3725, 24.0166, 10.2414



6.7276, 6.8351, 6.9504



11.6726, 6.5808, 0.6550



0.2327, 0.1656, 0.0197

Inverse Universe

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



18.7387, 23.3155, 35.4108



30.4386, 38.8327, 63.0179



13.7834, 13.4050, 33.7590



6.7173, 7.3004, 8.4618



11.2284, 14.5483, 28.1235



0.2256, 0.3097, 0.5111

Previews

White Background



This preview shows how the XYZ color 18.9502, 15.1721, 8.7672 looks on a white background.

Color Contrast Check

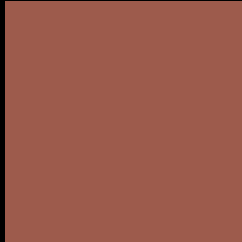
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.9502, 15.1721, 8.7672 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 18.9502, 15.1721, 8.7672

Background



This preview shows how black text looks on a background with the XYZ color 18.9502, 15.1721, 8.7672.



This preview shows how white text looks on a background with the XYZ color 18.9502, 15.1721,

8.7672.

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

18.9502, 15.1721, 8.7672

Protanopia

14.4050, 15.3593, 10.5929

Deuteranopia

15.5464, 15.2203, 8.5970



Tritanopia

19.6558, 15.0748, 12.7002

Trichromacy



Original Color

18.9502, 15.1721, 8.7672

Protanomaly

15.7523, 15.0024, 9.8501

Deuteranomaly

16.5471, 15.0071, 8.6812

Tritanomaly

19.4344, 15.1184, 11.1264

Monochromacy



Original Color

18.9502, 15.1721, 8.7672

Achromatopsia

14.5356, 15.2926, 16.6537

Achromatomaly

15.5132, 14.8014, 13.3486

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.9502, 15.1721, 8.7672 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(157, 91, 76)` looks like.

```
.text, #text, p{  
    color:rgb(157, 91, 76)  
}
```

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(157, 91, 76) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 91, 76) }
```

Border

The CSS property to change the border of an element to XYZ 18.9502, 15.1721, 8.7672 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(157, 91, 76) }
```


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

```
.border{ border-color:rgb(157, 91, 76) }
```

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

Here you see how a box with a 4 pixel `rgb(157, 91, 76)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 91, 76); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 91, 76);  
box-shadow:4px 4px 4px 4px rgb(157, 91,  
76) }
```

Background

The CSS property to change the background color of an element to XYZ 18.9502, 15.1721, 8.7672 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 91, 76) }
```

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

```
.background{ background-color: rgb(157, 91,  
76) }
```

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