

Converting Colors

XYZ(22.9718, 15.8124, 14.4729)

Have a look what the booklet for
XYZ(22.9718, 15.8124, 14.4729)
contains.

XYZ(22.9461, 15.8106, 14.4127)	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(22.9461, 15.8106,
14.4127)**

Conversions

Conversions Part 1

Format	Color
Hex	AF5066
RGB	175, 80, 102
RGB Percent	69%, 31%, 40%
CMY	0.3137, 0.6863, 0.6000
CMYK	0.00, 0.54, 0.42, 0.31
HSL	346°, 37%, 50%
HSV	346°, 54%, 69%
XYZ	22.9461, 15.8106, 14.4127
YIQ	110.9130, 49.5580, 26.9820

Conversions

Conversions Part 2

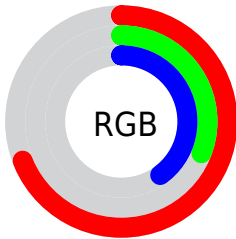
Format	Color
R_{YB}	175, 80, 102
Decimal	11489382
CIE _{Lab}	46.73, 40.97, 6.22
CIE _{LCh}	47, 41.437, 8.632
Yxy	15.8106, 0.4316, 0.2974
Android (android.graphics.Color)	4289679462 (0xFFAF5066)
YUV	110.9130, -4.3941, 56.2043
Hunter-Lab	39.7625, 33.4240, 6.3430

Details

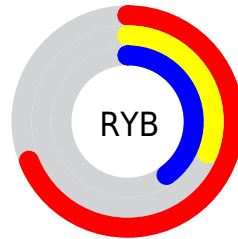
The XYZ color **22.9461, 15.8106, 14.4127** is a dark color, and the websafe version is hex **CC6666**. A complement of this color would be **24.3889, 34.6656, 35.5449**, and the grayscale version is **15.0870, 15.8727, 17.2854**.

A 20% lighter version of the original color is **47.6053, 36.1261, 34.6009**, and **8.7126, 5.0283, 4.1258** is the 20% darker color. If you saturate the color by 10%, you get **21.2138, 13.3282, 10.8075**, and if you desaturate by 10%, it is **25.1211, 19.0052, 18.6997**.

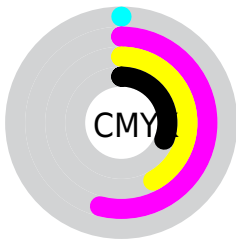
Distribution



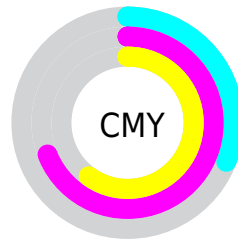
- Red (69%)
- Green (31%)
- Blue (40%)



- Red (69%)
- Yellow (31%)
- Blue (40%)



- Cyan (0%)
- Magenta (54%)
- Yellow (42%)
- Black (31%)





- Cyan (31%)
- Magenta (69%)
- Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 22.9461, 15.8106, 14.4127 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 22.9461, 15.8106, 14.4127 by changing the saturation by 10% instead.


 22.9461, 15.8106,
14.4127


 22.9461, 15.8106,
14.4127


259.9885,
228.2215, 231.3004


 14.6742, 9.3902,
8.2662


 47.7721, 36.2691,
34.5471


 8.6759, 4.9966,
4.1756


 65.0569, 51.0760,
49.3722


 4.5858, 2.2453,
1.7221

 86.0768, 69.4472,
67.9272

 2.0386, 0.7445,
0.3758

 111.1970, 91.7671,
90.6307

 0.6555, 0.0000,
0.0000

 140.7829,
118.4201, 117.9012

 0.0000, 0.0000,
0.0000

175.1999,

149.7905, 150.1573

214.8133,
186.2629, 187.8175

■ 22.9461, 15.8106,
14.4127

■ 22.9461, 15.8106,
14.4127

■ 21.2138, 13.3282,
10.8075

■ 25.1211, 19.0052,
18.6997

■ 19.8913, 11.5006,
7.8468

■ 27.7661, 22.9589,
23.7010

■ 18.9429, 10.2652,
5.4911

■ 30.9076, 27.7173,
29.4481

■ 18.3256, 9.5463,
3.6956

■ 34.5696, 33.3217,
35.9703

■ 18.0710, 9.2707,
2.8910

■ 38.7747, 39.8106,
43.2953

■ 43.5442, 47.2202,
51.4496

■ 48.8979, 55.5844,
60.4580

■ 54.8550, 64.9358,
70.3448

■ 61.4337, 75.3050,
81.1329

Harmonies

Analogous

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



22.4241, 15.8106, 25.4785



22.9461, 15.8106, 14.4127



21.0970, 15.8106, 7.5806

Triad

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



22.9461, 15.8106, 14.4127



11.1134, 15.8106, 5.9222



12.6479, 15.8106, 43.0004

Complementary

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



22.9461, 15.8106, 14.4127



24.3889, 34.6656, 35.5449

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.



10.2504, 15.8106, 32.7599



22.9461, 15.8106, 14.4127



9.4677, 15.8106, 10.9647

Square

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



22.9461, 15.8106, 14.4127



14.0142, 15.8106, 4.1264



9.1791, 15.8106, 20.3590



16.0885, 15.8106, 45.1261

Rectangle

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



22.9461, 15.8106, 14.4127



18.9187, 15.8106, 5.2439



9.1791, 15.8106, 20.3590



11.7102, 15.8106, 40.2414

Sweetspot

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



22.9465, 15.8114, 14.4130



60.5288, 57.5523, 61.9791



23.7126, 15.5895, 42.3166



13.1515, 12.3292, 13.2408



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



22.9465, 15.8114, 14.4130



37.5039, 23.1829, 18.2951



24.2133, 19.8653, 10.1487



8.0784, 8.0446, 8.7237



12.9616, 6.6472, 2.1772



0.3813, 0.1932, 0.1698

Inverse Universe

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



22.9465, 15.8114, 14.4130



37.5039, 23.1829, 18.2951



21.9000, 26.5078, 44.5196



8.0784, 8.0446, 8.7237



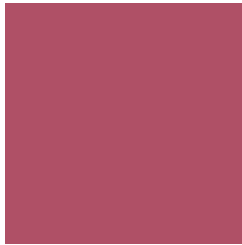
12.9616, 6.6472, 2.1772



0.3813, 0.1932, 0.1698

Previews

White Background



This preview shows how the XYZ color 22.9461, 15.8106, 14.4127 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 22.9461, 15.8106, 14.4127 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

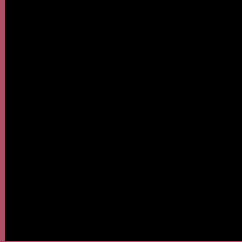
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 22.9461, 15.8106, 14.4127

Background



This preview shows how black text looks on a background with the XYZ color 22.9461, 15.8106, 14.4127.



This preview shows how white text looks on a background with the XYZ color 22.9461, 15.8106,

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

22.9461, 15.8106, 14.4127

Protanopia

15.5698, 16.0803, 19.7360

Deuteranopia

16.2147, 15.9093, 13.7715



Tritanopia

22.2343, 15.7378, 11.0983

Trichromacy



Original Color

22.9461, 15.8106, 14.4127

Protanomaly

17.3693, 15.3749, 17.6750

Deuteranomaly

18.0284, 15.3795, 13.8227

Tritanomaly

22.3738, 15.6738, 12.2021

Monochromacy



Original Color

22.9461, 15.8106, 14.4127

Achromatopsia

15.1092, 15.8961, 17.3108

Achromatomaly

17.0955, 15.2654, 16.2328

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.9461, 15.8106, 14.4127 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(175, 80, 102)` looks like.

```
.text, #text, p{  
    color:rgb(175, 80, 102)  
}
```

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(175, 80, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 80, 102) }
```

Border

The CSS property to change the border of an element to XYZ 22.9461, 15.8106, 14.4127 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(175, 80, 102) }
```


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

```
.border{ border-color:rgb(175, 80, 102) }
```

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

Here you see how a box with a 4 pixel `rgb(175, 80, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 80, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 80, 102);  
box-shadow:4px 4px 4px 4px rgb(175, 80,  
102) }
```

Background

The CSS property to change the background color of an element to XYZ 22.9461, 15.8106, 14.4127 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 80, 102) }
```

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

```
.background{ background-color: rgb(175, 80,  
102) }
```

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