

Converting Colors

XYZ(23.4085, 18.4463, 9.8010)

Have a look what the booklet for
XYZ(23.4085, 18.4463, 9.8010)
contains.

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Color

**XYZ(23.4582, 18.4138,
9.7150)**

Conversions

Conversions Part 1

Format	Color
Hex	AF624F
RGB	175, 98, 79
RGB Percent	69%, 38%, 31%
CMY	0.3137, 0.6157, 0.6902
CMYK	0.00, 0.44, 0.55, 0.31
HSL	12°, 38%, 50%
HSV	12°, 55%, 69%
XYZ	23.4582, 18.4138, 9.7150
YIQ	118.8570, 51.9910, 10.4150

Conversions

Conversions Part 2

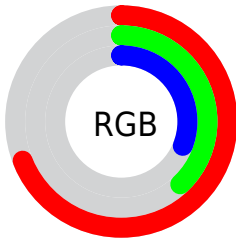
Format	Color
R_{YB}	175, 103, 79
Decimal	11493967
CIE _{Lab}	49.99, 29.18, 24.41
CIE _{LCh}	50, 38.042, 39.922
Yxy	18.4138, 0.4547, 0.3569
Android (android.graphics.Color)	4289684047 (0xFFAF624F)
YUV	118.8570, -19.6495, 49.2374
Hunter-Lab	42.9113, 22.4853, 16.6148

Details

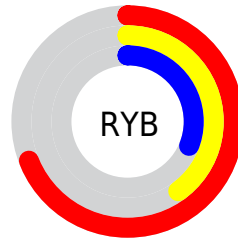
The XYZ color **23.4582, 18.4138, 9.7150** is a dark color, and the websafe version is hex **CC6666**. A complement of this color would be **22.8503, 28.5332, 44.8606**, and the grayscale version is **17.5384, 18.4518, 20.0940**.

A 20% lighter version of the original color is **48.7343, 40.8636, 25.7410**, and **8.8583, 6.1637, 2.2362** is the 20% darker color. If you saturate the color by 10%, you get **21.7030, 15.7921, 6.3903**, and if you desaturate by 10%, it is **25.6123, 21.5650, 14.0002**.

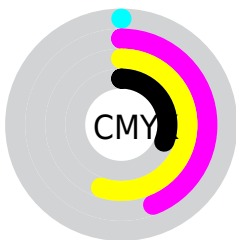
Distribution



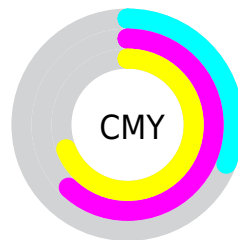
- Red (69%)
- Green (38%)
- Blue (31%)



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



- Cyan (0%)
- Magenta (44%)
- Yellow (55%)
- Black (31%)





- Cyan (31%)
- Magenta (62%)
- Yellow (69%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 23.4582, 18.4138, 9.7150 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 23.4582, 18.4138, 9.7150 by changing the saturation by 10% instead.

 23.4582, 18.4138,
9.7150


 23.4582, 18.4138,
9.7150


262.5614,
243.1932, 199.0360


 15.0548, 11.2475,
5.1073


 48.6057, 40.7412,
25.8574


 8.9444, 6.2335,
2.2505


 66.0806, 56.6710,
38.2292

 4.7617, 2.9876,
0.7033

 87.3099, 76.2908,
54.0261

 2.1415, 1.1253,
0.0000

 112.6590, 99.9850,
73.6666

 0.7116, 0.0000,
0.0000

 142.4934,
128.1379, 97.5694

 0.0000, 0.0000,
0.0000

177.1783,

161.1340, 126.1528

217.0792,
199.3576, 159.8355

■ 23.4582, 18.4138,
9.7150

■ 23.4582, 18.4138,
9.7150

■ 21.7030, 15.7921,
6.3903

■ 25.6123, 21.5650,
14.0002

■ 20.3198, 13.6678,
3.9502

■ 28.1871, 25.2701,
19.3119

■ 19.2805, 12.0092,
2.3087

■ 31.2044, 29.5552,
25.7113

■ 18.5516, 10.7798,
1.3614

■ 34.6841, 34.4439,
33.2545

■ 18.2698, 10.2951,
1.0242

■ 38.6447, 39.9586,
41.9939

■ 43.1039, 46.1205,
51.9783

■ 48.0784, 52.9496,
63.2542

■ 53.5840, 60.4654,
75.8654

■ 59.6359, 68.6862,
89.8537

Harmonies

Analogous

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



25.3698, 18.4138, 16.7803



23.4582, 18.4138, 9.7150



20.0248, 18.4138, 6.4720

Triad

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



23.4582, 18.4138, 9.7150



11.7004, 18.4138, 13.9077



18.7397, 18.4138, 47.0990

Complementary

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



23.4582, 18.4138, 9.7150



22.8503, 28.5332, 44.8606

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.



15.2001, 18.4138, 45.4894



23.4582, 18.4138, 9.7150



11.4561, 18.4138, 23.7180

Square

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



23.4582, 18.4138, 9.7150



13.3712, 18.4138, 8.2433



12.6500, 18.4138, 35.9220



22.4058, 18.4138, 39.7650

Rectangle

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



23.4582, 18.4138, 9.7150



17.5114, 18.4138, 5.9137



12.6500, 18.4138, 35.9220



17.4922, 18.4138, 47.6325

Sweetspot

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



23.4586, 18.4147, 9.7153



61.1813, 60.3772, 57.5110



26.5953, 17.1541, 33.9871



13.3099, 13.0155, 12.1545



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.



23.4586, 18.4147, 9.7153



38.2465, 27.3376, 10.3123



29.1550, 29.8074, 11.6141



8.1289, 8.2626, 8.3798



13.1194, 7.4444, 0.7454



0.4015, 0.2802, 0.0329

Inverse Universe

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



22.8503, 28.5332, 44.8606



36.9661, 47.1961, 79.7983



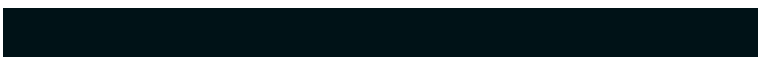
16.4739, 15.7804, 42.7351



8.0996, 8.7986, 10.2241



12.3383, 15.8106, 31.4460



0.3771, 0.5076, 0.8861

Previews

White Background



This preview shows how the XYZ color 23.4582, 18.4138, 9.7150 looks on a white 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

Black Background



This preview shows how the XYZ color 23.4582, 18.4138, 9.7150 looks on a black 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

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

XYZ 23.4582, 18.4138, 9.7150

Background



This preview shows how black text looks on a background with the XYZ color 23.4582, 18.4138, 9.7150.



This preview shows how white text looks on a background with the XYZ color 23.4582, 18.4138,

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

23.4582, 18.4138, 9.7150

Protanopia

17.2604, 18.4874, 11.8912

Deuteranopia

18.8234, 18.4857, 9.4135



Tritanopia

24.6219, 18.4908, 14.8417

Trichromacy



Original Color

23.4582, 18.4138, 9.7150

Protanomaly

19.0012, 18.0445, 11.0758

Deuteranomaly

20.2197, 18.2295, 9.4741

Tritanomaly

24.1077, 18.4040, 12.8714

Monochromacy



Original Color

23.4582, 18.4138, 9.7150

Achromatopsia

17.5343, 18.4475, 20.0893

Achromatomaly

18.8306, 17.8573, 15.5510

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.4582, 18.4138, 9.7150 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, 98, 79)` looks like.

```
.text, #text, p{  
    color:rgb(175, 98, 79)  
}
```

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, 98, 79) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 98, 79) }
```

Border

The CSS property to change the border of an element to XYZ 23.4582, 18.4138, 9.7150 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, 98, 79) }
```


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

```
.border{ border-color:rgb(175, 98, 79) }
```

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

Here you see how a box with a 4 pixel `rgb(175, 98, 79)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 98, 79); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 98, 79);  
box-shadow:4px 4px 4px 4px rgb(175, 98,  
79) }
```

Background

The CSS property to change the background color of an element to XYZ 23.4582, 18.4138, 9.7150 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 98, 79) }
```

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

```
.background{ background-color: rgb(175, 98,  
79) }
```

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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