

Converting Colors

XYZ(23.8994, 17.2523, 14.9023)

Have a look what the booklet for
XYZ(23.8994, 17.2523, 14.9023)
contains.

XYZ(23.8424, 17.1888, 14.8931)	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(23.8424, 17.1888,
14.8931)**

Conversions

Conversions Part 1

Format	Color
Hex	B05867
RGB	176, 88, 103
RGB Percent	69%, 35%, 40%
CMY	0.3098, 0.6549, 0.5961
CMYK	0.00, 0.50, 0.41, 0.31
HSL	350°, 36%, 52%
HSV	350°, 50%, 69%
XYZ	23.8424, 17.1888, 14.8931
YIQ	116.0220, 47.6330, 23.3210

Conversions

Conversions Part 2

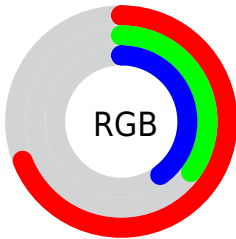
Format	Color
R_{YB}	176, 88, 103
Decimal	11556967
CIE _{Lab}	48.50, 37.33, 8.15
CIE _{LCh}	48, 38.212, 12.321
Yxy	17.1888, 0.4263, 0.3074
Android (android.graphics.Color)	4289747047 (0xFFB05867)
YUV	116.0220, -6.4198, 52.6007
Hunter-Lab	41.4594, 30.0976, 7.7233

Details

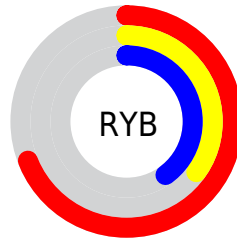
The XYZ color **23.8424, 17.1888, 14.8931** is a dark color, and the websafe version is hex **CC6666**. A complement of this color would be **25.9837, 35.6990, 39.2414**, and the grayscale version is **16.6165, 17.4819, 19.0377**.

A 20% lighter version of the original color is **49.1425, 38.5817, 35.4288**, and **9.1527, 5.6648, 4.3524** is the 20% darker color. If you saturate the color by 10%, you get **21.8982, 14.3725, 10.9396**, and if you desaturate by 10%, it is **26.2643, 20.7555, 19.6375**.

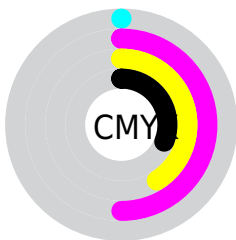
Distribution



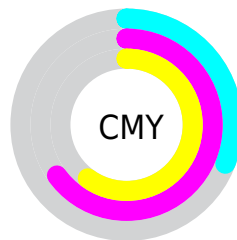
- Red (69%)
- Green (35%)
- Blue (40%)



- Red (69%)
- Yellow (35%)
- Blue (40%)



- Cyan (0%)
- Magenta (50%)
- Yellow (41%)
- Black (31%)



- Cyan (31%)
- Magenta (65%)
- Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.8424, 17.1888, 14.8931 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 23.8424, 17.1888, 14.8931 by changing the saturation by 10% instead.

■ 23.8424, 17.1888,
14.8931

■ 23.8424, 17.1888,
14.8931

264.4780,
236.2580, 234.3367

■ 15.3409, 10.3692,
8.5986

■ 49.2294, 38.6501,
35.4052

■ 9.1468, 5.6444,
4.3871

■ 66.8457, 54.0606,
50.4599

■ 4.8950, 2.6301,
1.8400

■ 88.2308, 73.1035,
69.2717

■ 2.2199, 0.9418,
0.4542

■ 113.7502, 96.1632,
92.2592

■ 0.7532, 0.0000,
0.0000

■ 143.7693,
123.6241, 119.8409

■ 0.0000, 0.0000,
0.0000

178.6534,

155.8706, 152.4353

218.7679,
193.2871, 190.4611

■ 23.8424, 17.1888,
14.8931

■ 23.8424, 17.1888,
14.8931

■ 21.8982, 14.3725,
10.9396

■ 26.2643, 20.7555,
19.6375

■ 20.3980, 12.2503,
7.7326

■ 29.1916, 25.1185,
25.2122

■ 19.3062, 10.7621,
5.2245


■ 32.6517, 30.3228,
31.6547


■ 18.5804, 9.8364,
3.3615


■ 36.6693, 36.4097,
39.0002


■ 18.1389, 9.3239,
2.0718


■ 41.2677, 43.4175,
47.2819

 18.1387, 9.3238,
2.0715

 46.4691, 51.3824,
56.5312

 52.2941, 60.3383,
66.7782

 58.7625, 70.3180,
78.0514

 65.8935, 81.3523,
90.3785

Harmonies

Analogous

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



23.6333, 17.1888, 25.2074



23.8424, 17.1888, 14.8931



21.8418, 17.1888, 8.4992

Triad

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



23.8424, 17.1888, 14.8931



12.2085, 17.1888, 7.7678



14.3758, 17.1888, 43.7733

Complementary

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



23.8424, 17.1888, 14.8931



25.9837, 35.6990, 39.2414

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.



11.8455, 17.1888, 34.9429



23.8424, 17.1888, 14.8931



10.7227, 17.1888, 13.4467

Square

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



23.8424, 17.1888, 14.8931



14.9416, 17.1888, 5.4863



10.6001, 17.1888, 23.1421



17.8176, 17.1888, 44.6009

Rectangle

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



23.8424, 17.1888, 14.8931



19.6708, 17.1888, 6.3018



10.6001, 17.1888, 23.1421



13.4037, 17.1888, 41.5281

Sweetspot

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



23.8429, 17.1897, 14.8934



62.5405, 60.0185, 63.5107



25.7974, 17.5748, 43.1069



13.2350, 12.5248, 13.1801



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.



23.8429, 17.1897, 14.8934



39.3926, 25.6040, 19.1659



25.8966, 22.3956, 12.1915



8.5535, 8.5281, 9.1472



13.3241, 6.8472, 1.6010



0.4371, 0.2226, 0.1447

Inverse Universe

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



23.8429, 17.1897, 14.8934



39.3926, 25.6040, 19.1659



22.4725, 26.4317, 44.9917



8.5535, 8.5281, 9.1472



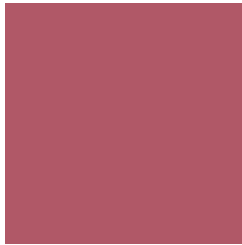
13.3241, 6.8472, 1.6010



0.4371, 0.2226, 0.1447

Previews

White Background



This preview shows how the XYZ color 23.8424, 17.1888, 14.8931 looks on a white background.

Color Contrast Check

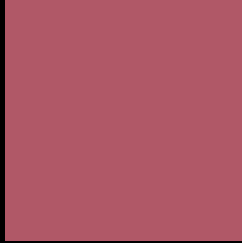
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.8424, 17.1888, 14.8931 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

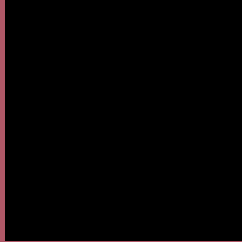
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 23.8424, 17.1888, 14.8931

Background



This preview shows how black text looks on a background with the XYZ color 23.8424, 17.1888, 14.8931.



This preview shows how white text looks on a background with the XYZ color 23.8424, 17.1888,

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

23.8424, 17.1888, 14.8931

Protanopia

16.7369, 17.3514, 19.6066

Deuteranopia

17.6094, 17.2563, 14.2071



Tritanopia

23.3629, 17.1032, 13.1362

Trichromacy



Original Color

23.8424, 17.1888, 14.8931

Protanomaly

18.5134, 16.6987, 17.8702

Deuteranomaly

19.5449, 17.0102, 14.3098

Tritanomaly

23.5037, 17.1596, 13.8777

Monochromacy



Original Color

23.8424, 17.1888, 14.8931

Achromatopsia

16.6002, 17.4647, 19.0191

Achromatomaly

18.5045, 16.8590, 17.3178

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.8424, 17.1888, 14.8931 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(176, 88, 103)` looks like.

```
.text, #text, p{  
    color:rgb(176, 88, 103)  
}
```

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(176, 88, 103) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 88, 103) }
```

Border

The CSS property to change the border of an element to XYZ 23.8424, 17.1888, 14.8931 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(176, 88, 103) }
```


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

```
.border{ border-color:rgb(176, 88, 103) }
```

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

Here you see how a box with a 4 pixel rgb(176, 88, 103) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 88, 103); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 88, 103);  
box-shadow:4px 4px 4px 4px rgb(176, 88,  
103) }
```

Background

The CSS property to change the background color of an element to XYZ 23.8424, 17.1888, 14.8931 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 88, 103) }
```

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

```
.background{ background-color: rgb(176, 88,  
103) }
```

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