

Converting Colors

XYZ(23.7688, 18.2556, 9.3684)

Have a look what the booklet for
XYZ(23.7688, 18.2556, 9.3684)
contains.

XYZ(23.8825, 18.3665, 9.3075)	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(23.8825, 18.3665,
9.3075)**

Conversions

Conversions Part 1

Format	Color
Hex	B2604D
RGB	178, 96, 77
RGB Percent	70%, 38%, 30%
CMY	0.3020, 0.6235, 0.6980
CMYK	0.00, 0.46, 0.57, 0.30
HSL	11°, 40%, 50%
HSV	11°, 57%, 70%
XYZ	23.8825, 18.3665, 9.3075
YIQ	118.3520, 54.9710, 11.4750

Conversions

Conversions Part 2

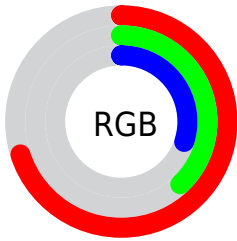
Format	Color
R_{YB}	178, 100, 77
Decimal	11690061
CIE _{Lab}	49.94, 31.30, 25.58
CIE _{LCh}	50, 40.424, 39.262
Yxy	18.3665, 0.4632, 0.3562
Android (android.graphics.Color)	4289880141 (0xFFB2604D)
YUV	118.3520, -20.3865, 52.3113
Hunter-Lab	42.8562, 24.4746, 17.1227

Details

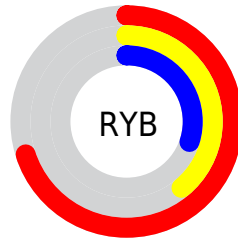
The XYZ color **23.8825, 18.3665, 9.3075** is a dark color, and the websafe version is hex **CC6666**. A complement of this color would be **23.4938, 29.5868, 46.5919**, and the grayscale version is **17.3807, 18.2858, 19.9133**.

A 20% lighter version of the original color is **49.2809, 40.6907, 24.9954**, and **9.1624, 6.2023, 2.0807** is the 20% darker color. If you saturate the color by 10%, you get **22.1385, 15.7504, 6.0383**, and if you desaturate by 10%, it is **26.0418, 21.5380, 13.5638**.

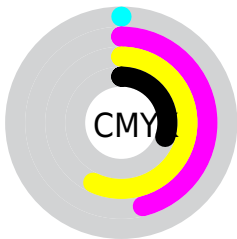
Distribution



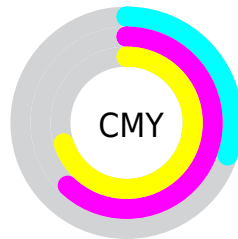
- Red (70%)
- Green (38%)
- Blue (30%)



- Red (70%)
- Yellow (39%)
- Blue (30%)



- Cyan (0%)
- Magenta (46%)
- Yellow (57%)
- Black (30%)





- Cyan (30%)
- Magenta (62%)
- Yellow (70%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 23.8825, 18.3665, 9.3075 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 23.8825, 18.3665, 9.3075 by changing the saturation by 10% instead.


 23.8825, 18.3665,
9.3075


 23.8825, 18.3665,
9.3075


264.6774,
242.9288, 195.9573


 15.3707, 11.2134,
4.8427


 49.2945, 40.6608,
25.0717


 9.1680, 6.2106,
2.0982


 66.9254, 56.5709,
37.2082

 4.9089, 2.9735,
0.6147

 88.3267, 76.1688,
52.7391

 2.2281, 1.1179,
0.0000

 113.8639, 99.8388,
72.0828

 0.7575, 0.0000,
0.0000

 143.9021,
127.9655, 95.6579

 0.0000, 0.0000,
0.0000

178.8069,

160.9331, 123.8830

218.9436,
199.1260, 157.1767

■ 23.8825, 18.3665,
9.3075

■ 23.8825, 18.3665,
9.3075

■ 22.1385, 15.7504,
6.0383

■ 26.0418, 21.5380,
13.5638

■ 20.7806, 13.6545,
3.6750

■ 28.6400, 25.2918,
18.8775

■ 19.7781, 12.0439,
2.1248

■ 31.7007, 29.6563,
25.3138

■ 19.0914, 10.8769,
1.2598

■ 35.2451, 34.6572,
32.9322

■ 18.9177, 10.5802,
1.0451

■ 39.2934, 40.3189,
41.7880

■ 43.8644, 46.6644,
51.9331

■ 48.9760, 53.7154,
63.4163

■ 54.6452, 61.4929,
76.2838

■ 60.8884, 70.0170,
90.5799

Harmonies

Analogous

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



25.8887, 18.3665, 16.7573



23.8825, 18.3665, 9.3075



20.2294, 18.3665, 5.9465

Triad

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



23.8825, 18.3665, 9.3075



11.3762, 18.3665, 13.3554



18.6833, 18.3665, 49.3058

Complementary

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



23.8825, 18.3665, 9.3075



23.4938, 29.5868, 46.5919

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.



14.9499, 18.3665, 47.3182



23.8825, 18.3665, 9.3075



11.0889, 18.3665, 23.6317

Square

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



23.8825, 18.3665, 9.3075



13.1543, 18.3665, 7.6110



12.3013, 18.3665, 36.7648



22.6079, 18.3665, 41.4796

Rectangle

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



23.8825, 18.3665, 9.3075



17.5529, 18.3665, 5.3525



12.3013, 18.3665, 36.7648



17.3610, 18.3665, 49.8119

Sweetspot

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



23.8829, 18.3675, 9.3078



63.5361, 62.3165, 58.8989



27.3140, 17.2928, 34.9194



13.7812, 13.3910, 12.4105



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



23.8829, 18.3675, 9.3078



39.4846, 27.5520, 9.7609



29.9811, 30.5637, 11.3405



8.6215, 8.7555, 8.8881



13.5711, 7.6407, 0.7595



0.4654, 0.3172, 0.0367

Inverse Universe

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



23.4938, 29.5868, 46.5919



38.6212, 49.7047, 83.9396



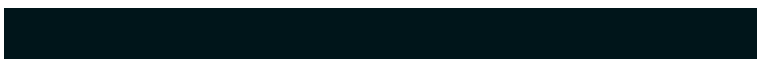
16.5634, 15.7260, 44.2817



8.6040, 9.3543, 10.8584



12.9839, 16.7681, 32.6892



0.4436, 0.5978, 1.0402

Previews

White Background



This preview shows how the XYZ color 23.8825, 18.3665, 9.3075 looks on a white background.

Color Contrast Check

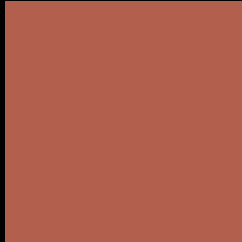
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.8825, 18.3665, 9.3075 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 23.8825, 18.3665, 9.3075

Background



This preview shows how black text looks on a background with the XYZ color 23.8825, 18.3665, 9.3075.



This preview shows how white text looks on a background with the XYZ color 23.8825, 18.3665,

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

23.8825, 18.3665, 9.3075

Protanopia

17.2192, 18.4710, 11.6745

Deuteranopia

18.7549, 18.4583, 9.0529



Tritanopia

24.8050, 18.3325, 14.2878

Trichromacy



Original Color

23.8825, 18.3665, 9.3075

Protanomaly

19.0998, 18.1044, 10.6714

Deuteranomaly

20.2380, 18.0913, 9.0819

Tritanomaly

24.5249, 18.3618, 12.3768

Monochromacy



Original Color

23.8825, 18.3665, 9.3075

Achromatopsia

17.2197, 18.1164, 19.7288

Achromatomaly

18.8393, 17.7066, 15.2567

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.8825, 18.3665, 9.3075 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(178, 96, 77)` looks like.

```
.text, #text, p{  
    color:rgb(178, 96, 77)  
}
```

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(178, 96, 77) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 96, 77) }
```

Border

The CSS property to change the border of an element to XYZ 23.8825, 18.3665, 9.3075 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(178, 96, 77) }
```


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

```
.border{ border-color:rgb(178, 96, 77) }
```

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

Here you see how a box with a 4 pixel rgb(178, 96, 77) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 96, 77); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 96, 77);  
box-shadow:4px 4px 4px 4px rgb(178, 96,  
77) }
```

Background

The CSS property to change the background color of an element to XYZ 23.8825, 18.3665, 9.3075 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 96, 77) }
```

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

```
.background{ background-color: rgb(178, 96,  
77) }
```

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