

Converting Colors

XYZ(23.4658, 16.4078, 9.9226)

Have a look what the booklet for
XYZ(23.4658, 16.4078, 9.9226)
contains.

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Color

**XYZ(23.3627, 16.3471,
9.9066)**

Conversions

Conversions Part 1

Format	Color
Hex	B45252
RGB	180, 82, 82
RGB Percent	71%, 32%, 32%
CMY	0.2941, 0.6784, 0.6784
CMYK	0.00, 0.54, 0.54, 0.29
HSL	0°, 40%, 51%
HSV	0°, 54%, 71%
XYZ	23.3627, 16.3471, 9.9066
YIQ	111.3020, 58.4080, 20.7760

Conversions

Conversions Part 2

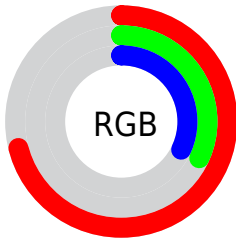
Format	Color
RYB	180, 82, 82
Decimal	11817554
CIELab	47.43, 39.82, 19.40
CIELCh	47, 44.292, 25.980
Yxy	16.3471, 0.4709, 0.3295
Android (android.graphics.Color)	4290007634 (0xFFB45252)
YUV	111.3020, -14.4459, 60.2481
Hunter-Lab	40.4315, 32.3881, 13.7748

Details

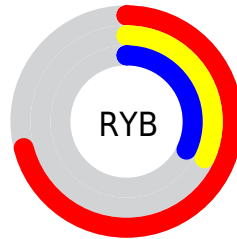
The XYZ color **23.3627, 16.3471, 9.9066** is a dark color, and the websafe version is hex **CC6666**. A complement of this color would be **28.0381, 37.7294, 48.9846**, and the grayscale version is **15.2265, 16.0195, 17.4452**.

A 20% lighter version of the original color is **48.5570, 37.2142, 26.0965**, and **8.8242, 5.1997, 2.2888** is the 20% darker color. If you saturate the color by 10%, you get **21.5816, 13.7410, 6.3654**, and if you desaturate by 10%, it is **25.6803, 19.7387, 14.5132**.

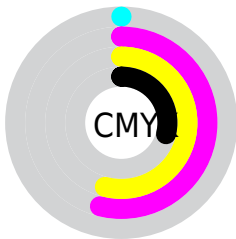
Distribution



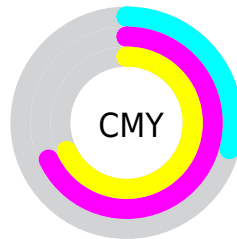
- Red (71%)
- Green (32%)
- Blue (32%)



- Red (71%)
- Yellow (32%)
- Blue (32%)



- Cyan (0%)
- Magenta (54%)
- Yellow (54%)
- Black (29%)



- Cyan (29%)
- Magenta (68%)
- Yellow (68%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.3627, 16.3471, 9.9066 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 23.3627, 16.3471, 9.9066 by changing the saturation by 10% instead.

■ 23.3627, 16.3471,
9.9066

■ 23.3627, 16.3471,
9.9066

262.0831,
231.3813, 200.4647

■ 14.9837, 9.7701,
5.2323

■ 48.4505, 37.1997,
26.2247

■ 8.8942, 5.2468,
2.3231

■ 65.8900, 52.2442,
38.7056

■ 4.7288, 2.3928,
0.7441

■ 87.0804, 70.8799,
54.6258

■ 2.1221, 0.8222,
0.0000

■ 112.3870, 93.4913,
74.4038

■ 0.7012, 0.0000,
0.0000

■ 142.1753,
120.4627, 98.4581

■ 0.0000, 0.0000,
0.0000

176.8105,

152.1786, 127.2074

216.6580,
189.0233, 161.0700

■ 23.3627, 16.3471,
9.9066

■ 23.3627, 16.3471,
9.9066

■ 21.5816, 13.7410,
6.3654

■ 25.6803, 19.7387,
14.5132

■ 20.2928, 11.8552,
3.8036

■ 28.5713, 23.9691,
20.2604

■ 19.4474, 10.6181,
2.1232

■ 32.0709, 29.0900,
27.2174

■ 18.9858, 9.9425,
1.2056

■ 36.2111, 35.1483,
35.4479

■ 18.8224, 9.7035,
0.8809

■ 41.0215, 42.1873,
45.0109

■ 46.5301, 50.2479,
55.9619

■ 52.7632, 59.3686,
68.3532

■ 59.7457, 69.5859,
82.2344

■ 67.5013, 80.9345,
97.6526

Harmonies

Analogous

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



24.3536, 16.3471, 19.3588



23.3627, 16.3471, 9.9066



20.1570, 16.3471, 5.2177

Triad

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



23.3627, 16.3471, 9.9066



10.0811, 16.3471, 8.2339



15.0140, 16.3471, 49.2642

Complementary

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



23.3627, 16.3471, 9.9066



28.0381, 37.7294, 48.9846

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.



11.6838, 16.3471, 42.4163



23.3627, 16.3471, 9.9066



9.1562, 16.3471, 16.3257

Square

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



23.3627, 16.3471, 9.9066



12.4585, 16.3471, 4.5769



9.6895, 16.3471, 29.0538



19.0859, 16.3471, 45.1792

Rectangle

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



23.3627, 16.3471, 9.9066



17.4396, 16.3471, 3.9815



9.6895, 16.3471, 29.0538



13.7788, 16.3471, 48.1083

Sweetspot

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



23.3631, 16.3480, 9.9069



64.1957, 61.5908, 61.3665



30.0779, 19.0332, 45.2684



13.5361, 12.8162, 12.5899



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.



23.3631, 16.3480, 9.9069



38.6824, 24.2575, 10.6480



28.4617, 26.5451, 11.6064



8.4964, 8.5053, 8.8464



13.1370, 6.7725, 0.6148



0.4134, 0.2131, 0.0193

Inverse Universe

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



28.0381, 37.7294, 48.9846



48.0185, 66.9570, 88.6878



19.8343, 21.3218, 46.2500



8.7426, 9.6315, 10.9046



17.1396, 25.0796, 34.0745



0.5393, 0.7891, 1.0721

Previews

White Background



This preview shows how the XYZ color 23.3627, 16.3471, 9.9066 looks on a white background.

Color Contrast Check

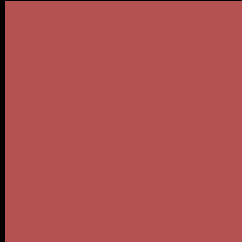
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.3627, 16.3471, 9.9066 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

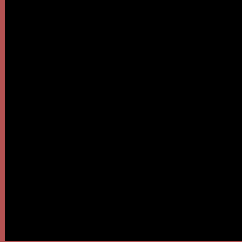
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 23.3627, 16.3471, 9.9066

Background



This preview shows how black text looks on a background with the XYZ color 23.3627, 16.3471, 9.9066.



This preview shows how white text looks on a background with the XYZ color 23.3627, 16.3471,

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

23.3627, 16.3471, 9.9066

Protanopia

15.6242, 16.5767, 13.4425

Deuteranopia

16.7294, 16.4261, 9.4965



Tritanopia

23.4851, 16.2763, 10.9207

Trichromacy



Original Color

23.3627, 16.3471, 9.9066

Protanomaly

17.6242, 15.9208, 12.0417

Deuteranomaly

18.6356, 16.0675, 9.5163

Tritanomaly

23.4045, 16.2440, 10.4962

Monochromacy



Original Color

23.3627, 16.3471, 9.9066

Achromatopsia

15.1092, 15.8961, 17.3108

Achromatomaly

17.0108, 15.2687, 14.1072

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.3627, 16.3471, 9.9066 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(180, 82, 82)` looks like.

```
.text, #text, p{  
    color:rgb(180, 82, 82)  
}
```

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(180, 82, 82) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 82, 82) }
```

Border

The CSS property to change the border of an element to XYZ 23.3627, 16.3471, 9.9066 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(180, 82, 82) }
```


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

```
.border{ border-color:rgb(180, 82, 82) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 82, 82)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 82, 82); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 82, 82);  
box-shadow:4px 4px 4px 4px rgb(180, 82,  
82) }
```

Background

The CSS property to change the background color of an element to XYZ 23.3627, 16.3471, 9.9066 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 82, 82) }
```

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

```
.background{ background-color: rgb(180, 82,  
82) }
```

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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