

Converting Colors

XYZ(23.0478, 16.5089, 16.1591)

Have a look what the booklet for
XYZ(23.0478, 16.5089, 16.1591)
contains.

XYZ(23.0478, 16.5089, 16.1591)	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(23.0478, 16.5089,
16.1591)**

Conversions

Conversions Part 1

Format	Color
Hex	AC566C
RGB	172, 86, 108
RGB Percent	67%, 34%, 42%
CMY	0.3255, 0.6627, 0.5765
CMYK	0.00, 0.50, 0.37, 0.33
HSL	345°, 34%, 51%
HSV	345°, 50%, 67%
XYZ	23.0478, 16.5089, 16.1591
YIQ	114.2220, 44.1940, 25.0740

Conversions

Conversions Part 2

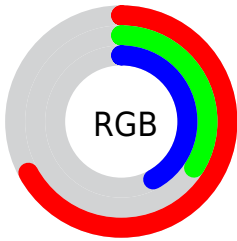
Format	Color
RYB	172, 86, 108
Decimal	11294316
CIELab	47.64, 37.50, 3.83
CIElCh	48, 37.699, 5.827
Yxy	16.5089, 0.4137, 0.2963
Android (android.graphics.Color)	4289484396 (0xFFAC566C)
YUV	114.2220, -3.0674, 50.6713
Hunter-Lab	40.6311, 30.1487, 4.8620

Details

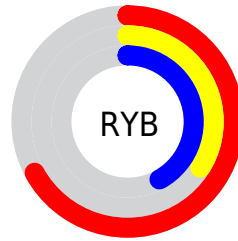
The XYZ color **23.0478, 16.5089, 16.1591** is a dark color, and the websafe version is hex **CC6666**. A complement of this color would be **24.0961, 33.6859, 34.0881**, and the grayscale version is **16.0609, 16.8974, 18.4012**.

A 20% lighter version of the original color is **47.9796, 37.5032, 37.5109**, and **8.8093, 5.3806, 4.9891** is the 20% darker color. If you saturate the color by 10%, you get **21.2041, 13.8328, 12.4266**, and if you desaturate by 10%, it is **25.3229, 19.8876, 20.5293**.

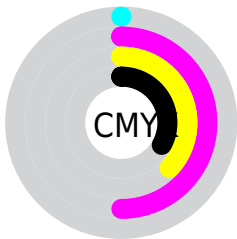
Distribution



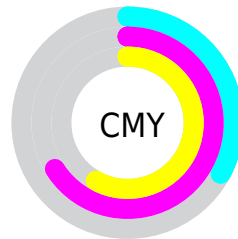
- Red (67%)
- Green (34%)
- Blue (42%)



- Red (67%)
- Yellow (34%)
- Blue (42%)



- Cyan (0%)
- Magenta (50%)
- Yellow (37%)
- Black (33%)





- Cyan (33%)
- Magenta (66%)
- Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.0478, 16.5089, 16.1591 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 23.0478, 16.5089, 16.1591 by changing the saturation by 10% instead.


 23.0478, 16.5089,
16.1591


 23.0478, 16.5089,
16.1591


260.5012,
232.3262, 242.1564


 14.7497, 9.8850,
9.4812


 47.9379, 37.4795,
37.6448


 8.7291, 5.3228,
4.9553

 65.2606, 52.5949,
53.2897


 4.6206, 2.4379,
2.1628

 86.3222, 71.3096,
72.7608

 2.0589, 0.8453,
0.6528

 111.4880, 94.0080,
96.4765

 0.6667, 0.0000,
0.0000

 141.1235,
121.0744, 124.8553

 0.0000, 0.0000,
0.0000

175.5939,

152.8933, 158.3159

215.2647,
189.8491, 197.2767

■ 23.0478, 16.5089,
16.1591

■ 23.0478, 16.5089,
16.1591

■ 21.2041, 13.8328,
12.4266

■ 25.3229, 19.8876,
20.5293

■ 19.7619, 11.8068,
9.2999

■ 28.0539, 24.0113,
25.5649

■ 18.6898, 10.3751,
6.7457


■ 31.2648, 28.9223,
31.2933


■ 17.9504, 9.4713,
4.7266


■ 34.9778, 34.6587,
37.7396


■ 17.4679, 8.9526,
3.1900


■ 39.2135, 41.2563,
44.9281

 17.4678, 8.9525,
3.1896

 43.9913, 48.7486,
52.8815

 49.3297, 57.1675,
61.6220

 55.2463, 66.5432,
71.1704

 61.7580, 76.9047,
81.5470

Harmonies

Analogous

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



22.3648, 16.5089, 26.6806



23.0478, 16.5089, 16.1591



21.5432, 16.5089, 9.1647

Triad

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



23.0478, 16.5089, 16.1591



12.2007, 16.5089, 6.7488



13.1882, 16.5089, 40.7325

Complementary

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



23.0478, 16.5089, 16.1591



24.0961, 33.6859, 34.0881

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.



11.0084, 16.5089, 31.1488



23.0478, 16.5089, 16.1591



10.4979, 16.5089, 11.4053

Square

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



23.0478, 16.5089, 16.1591



15.0435, 16.5089, 5.1251



10.0947, 16.5089, 19.9229



16.3573, 16.5089, 43.4278

Rectangle

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



23.0478, 16.5089, 16.1591



19.6131, 16.5089, 6.5904



10.0947, 16.5089, 19.9229



12.3305, 16.5089, 38.0763

Sweetspot

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



23.0482, 16.5097, 16.1594



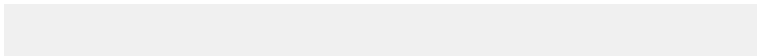
59.7882, 57.1994, 62.1352



23.1814, 16.0309, 40.9022



12.7007, 11.9791, 12.9936



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



23.0482, 16.5097, 16.1594



38.1512, 24.6434, 21.8803



23.8545, 19.7652, 11.3629



8.0862, 8.0477, 8.7646



13.0183, 6.6699, 2.4760



0.3844, 0.1944, 0.1858

Inverse Universe

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



23.0482, 16.5097, 16.1594



38.1512, 24.6434, 21.8803



22.5022, 27.3924, 43.1310



8.0862, 8.0477, 8.7646



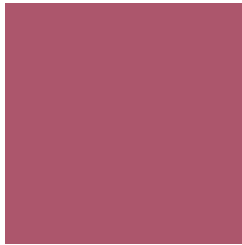
13.0183, 6.6699, 2.4760



0.3844, 0.1944, 0.1858

Previews

White Background



This preview shows how the XYZ color 23.0478, 16.5089, 16.1591 looks on a white background.

Color Contrast Check

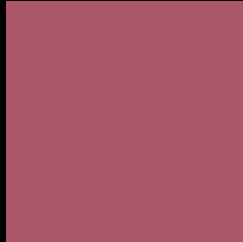
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.0478, 16.5089, 16.1591 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 23.0478, 16.5089, 16.1591

Background



This preview shows how black text looks on a background with the XYZ color 23.0478, 16.5089, 16.1591.



This preview shows how white text looks on a background with the XYZ color 23.0478, 16.5089,

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

23.0478, 16.5089, 16.1591

Protanopia

16.2903, 16.7510, 21.1136

Deuteranopia

16.9767, 16.7405, 15.4332



Tritanopia

22.3499, 16.4636, 12.8263

Trichromacy



Original Color

23.0478, 16.5089, 16.1591

Protanomaly

17.9518, 16.0768, 19.2965

Deuteranomaly

18.7051, 16.2566, 15.5166

Tritanomaly

22.5030, 16.3944, 14.0350

Monochromacy



Original Color

23.0478, 16.5089, 16.1591

Achromatopsia

15.9940, 16.8269, 18.3245

Achromatomaly

17.8666, 16.2214, 17.5186

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.0478, 16.5089, 16.1591 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(172, 86, 108)` looks like.

```
.text, #text, p{  
    color:rgb(172, 86, 108)  
}
```

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(172, 86, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 86, 108) }
```

Border

The CSS property to change the border of an element to XYZ 23.0478, 16.5089, 16.1591 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(172, 86, 108) }
```


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

```
.border{ border-color:rgb(172, 86, 108) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 86, 108)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(172, 86, 108); -webkit-box-shadow:4px 4px 4px 4px rgb(172, 86, 108); box-shadow:4px 4px 4px 4px rgb(172, 86, 108) }
```

Background

The CSS property to change the background color of an element to XYZ 23.0478, 16.5089, 16.1591 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 86, 108) }
```

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

```
.background{ background-color: rgb(172, 86,  
108) }
```

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