

Converting Colors

XYZ(23.3562, 16.5668, 20.6175)

Have a look what the booklet for
XYZ(23.3562, 16.5668, 20.6175)
contains.

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Color

**XYZ(23.4805, 16.6317,
20.7116)**

Conversions

Conversions Part 1

Format	Color
Hex	AA567B
RGB	170, 86, 123
RGB Percent	67%, 34%, 48%
CMY	0.3333, 0.6627, 0.5176
CMYK	0.00, 0.49, 0.28, 0.33
HSL	334°, 33%, 50%
HSV	334°, 49%, 67%
XYZ	23.4805, 16.6317, 20.7116
YIQ	115.3340, 38.1870, 29.3150

Conversions

Conversions Part 2

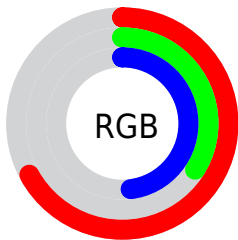
Format	Color
R_{YB}	170, 86, 123
Decimal	11163259
CIE _{Lab}	47.79, 38.76, -5.03
CIE _{LCh}	48, 39.090, 352.600
Yxy	16.6317, 0.3860, 0.2734
Android (android.graphics.Color)	4289353339 (0xFFAA567B)
YUV	115.3340, 3.7793, 47.9421
Hunter-Lab	40.7820, 31.4041, -1.5637

Details

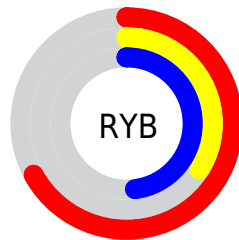
The XYZ color **23.4805, 16.6317, 20.7116** is a dark color, and the websafe version is hex **CC6699**. A complement of this color would be **22.4469, 32.4218, 27.2669**, and the grayscale version is **16.3784, 17.2313, 18.7649**.

A 20% lighter version of the original color is **48.5049, 37.6030, 45.2591**, and **8.9073, 5.3413, 7.0401** is the 20% darker color. If you saturate the color by 10%, you get **21.7142, 14.0062, 17.3263**, and if you desaturate by 10%, it is **25.6284, 19.9276, 24.5100**.

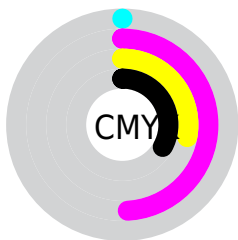
Distribution



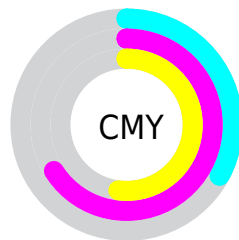
- Red (67%)
- Green (34%)
- Blue (48%)



- Red (67%)
- Yellow (34%)
- Blue (48%)



- Cyan (0%)
- Magenta (49%)
- Yellow (28%)
- Black (33%)



- Cyan (33%)
- Magenta (66%)
- Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.4805, 16.6317, 20.7116 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 23.4805, 16.6317, 20.7116 by changing the saturation by 10% instead.

■ 23.4805, 16.6317,
20.7116

■ 23.4805, 16.6317,
20.7116

262.6729,
233.0409, 268.4723

■ 15.0713, 9.9723,
12.7242

■ 48.6420, 37.6914,
45.4816

■ 8.9561, 5.3806,
7.1104

■ 66.1250, 52.8605,
63.1013

■ 4.7695, 2.4722,
3.4517

■ 87.3634, 71.6350,
84.7687

■ 2.1460, 0.8627,
1.3297

■ 112.7225, 94.3991,
110.9026

■ 0.7140, 0.0000,
0.0859

■ 142.5676,
121.5374, 141.9213

■ 0.0000, 0.0000,
0.0000

177.2642,

153.4342, 178.2435

217.1775,
190.4739, 220.2876

■ 23.4805, 16.6317,
20.7116

■ 23.4805, 16.6317,
20.7116

■ 21.7142, 14.0062,
17.3263

■ 25.6284, 19.9276,
24.5100

■ 20.3033, 12.0015,
14.3367

■ 28.1791, 23.9340,
28.7357

■ 19.2200, 10.5649,
11.7253

■ 31.1537, 28.6907,
33.4035


■ 18.4317, 9.6339,
9.4722


■ 34.5715, 34.2339,
38.5271


■ 17.8736, 9.0819,
7.5466


■ 38.4505, 40.5974,
44.1193

 17.8434, 9.0524,
7.4413

 42.8078, 47.8130,
50.1926

 47.6593, 55.9108,
56.7589

 53.0206, 64.9195,
63.8297

 58.9062, 74.8663,
71.4160

Harmonies

Analogous

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



21.7914, 16.6317, 32.5503



23.4805, 16.6317, 20.7116



22.8848, 16.6317, 11.6564

Triad

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



23.4805, 16.6317, 20.7116



13.3561, 16.6317, 5.4926



12.0564, 16.6317, 38.1861

Complementary

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



23.4805, 16.6317, 20.7116



22.4469, 32.4218, 27.2669

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.



10.3649, 16.6317, 26.5886



23.4805, 16.6317, 20.7116



11.0342, 16.6317, 8.7310

Square

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



23.4805, 16.6317, 20.7116



16.6923, 16.6317, 4.9173



10.0205, 16.6317, 15.7343



14.9554, 16.6317, 44.7978

Rectangle

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



23.4805, 16.6317, 20.7116



21.3081, 16.6317, 7.9318



10.0205, 16.6317, 15.7343



11.3464, 16.6317, 34.5744

Sweetspot

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



23.4810, 16.6325, 20.7119



58.9909, 56.0402, 64.3511



20.1313, 14.4805, 39.7643



12.8791, 12.0505, 13.9332



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.



23.4810, 16.6325, 20.7119



39.2095, 25.1385, 31.0563



21.9310, 16.5650, 10.8466



7.6632, 7.5952, 8.5438



13.1529, 6.6699, 5.6169



0.3459, 0.1726, 0.2731

Inverse Universe

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



23.4810, 16.6325, 20.7119



39.2095, 25.1385, 31.0563



24.6939, 32.0809, 42.9210



7.6632, 7.5952, 8.5438



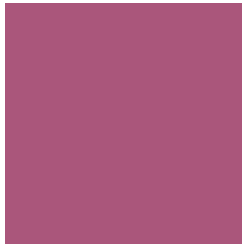
13.1529, 6.6699, 5.6169



0.3459, 0.1726, 0.2731

Previews

White Background



This preview shows how the XYZ color 23.4805, 16.6317, 20.7116 looks on a white background.

Color Contrast Check

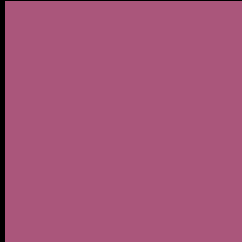
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.4805, 16.6317, 20.7116 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

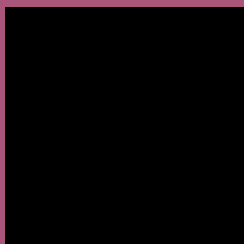
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 23.4805, 16.6317, 20.7116

Background



This preview shows how black text looks on a background with the XYZ color 23.4805, 16.6317, 20.7116.



This preview shows how white text looks on a background with the XYZ color 23.4805, 16.6317,

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

23.4805, 16.6317, 20.7116

Protanopia

16.8231, 16.8918, 27.1847

Deuteranopia

17.1826, 16.9117, 19.8114



Tritanopia

22.0941, 16.6888, 13.6121

Trichromacy



Original Color

23.4805, 16.6317, 20.7116

Protanomaly

18.5134, 16.2470, 24.7145

Deuteranomaly

18.9568, 16.4343, 19.9423

Tritanomaly

22.5884, 16.6413, 15.9315

Monochromacy



Original Color

23.4805, 16.6317, 20.7116

Achromatopsia

16.2955, 17.1441, 18.6699

Achromatomaly

18.2120, 16.3595, 19.3374

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.4805, 16.6317, 20.7116 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(170, 86, 123)` looks like.

```
.text, #text, p{  
    color:rgb(170, 86, 123)  
}
```

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(170, 86, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 86, 123) }
```

Border

The CSS property to change the border of an element to XYZ 23.4805, 16.6317, 20.7116 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(170, 86, 123) }
```


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

```
.border{ border-color:rgb(170, 86, 123) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 86, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 86, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 86, 123);  
box-shadow:4px 4px 4px 4px rgb(170, 86,  
123) }
```

Background

The CSS property to change the background color of an element to XYZ 23.4805, 16.6317, 20.7116 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 86, 123) }
```

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

```
.background{ background-color: rgb(170, 86,  
123) }
```

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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