

Converting Colors

XYZ(23.3189, 16.3931, 21.1378)

Have a look what the booklet for
XYZ(23.3189, 16.3931, 21.1378)
contains.

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Color

**XYZ(23.2488, 16.3873,
21.0065)**

Conversions

Conversions Part 1

Format	Color
Hex	A9557C
RGB	169, 85, 124
RGB Percent	66%, 33%, 49%
CMY	0.3373, 0.6666, 0.5137
CMYK	0.00, 0.50, 0.27, 0.34
HSL	332°, 33%, 50%
HSV	332°, 50%, 66%
XYZ	23.2488, 16.3873, 21.0065
YIQ	114.5620, 37.5450, 29.9370

Conversions

Conversions Part 2

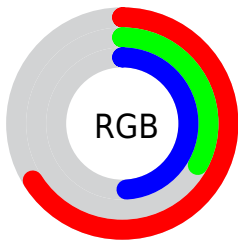
Format	Color
R_{YB}	169, 85, 124
Decimal	11097468
CIE _{Lab}	47.48, 39.08, -6.12
CIE _{LCh}	47, 39.559, 351.101
Yxy	16.3873, 0.3834, 0.2702
Android (android.graphics.Color)	4289287548 (0xFFA9557C)
YUV	114.5620, 4.6529, 47.7421
Hunter-Lab	40.4812, 31.6723, -2.4299

Details

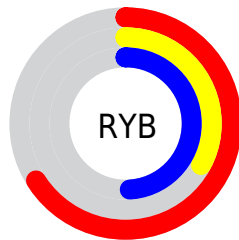
The XYZ color **23.2488, 16.3873, 21.0065** is a dark color, and the websafe version is hex **CC6699**. A complement of this color would be **21.9644, 31.9194, 26.1242**, and the grayscale version is **16.1423, 16.9829, 18.4944**.

A 20% lighter version of the original color is **48.1462, 37.1947, 45.7160**, and **8.7815, 5.2295, 7.2032** is the 20% darker color. If you saturate the color by 10%, you get **21.5272, 13.8186, 17.7362**, and if you desaturate by 10%, it is **25.3417, 19.6141, 24.6603**.

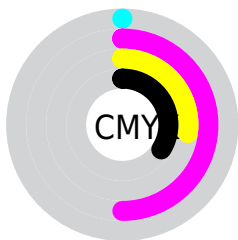
Distribution



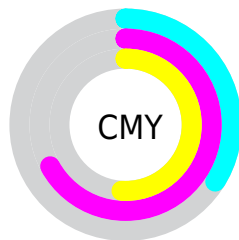
- Red (66%)
- Green (33%)
- Blue (49%)



- Red (66%)
- Yellow (33%)
- Blue (49%)



- Cyan (0%)
- Magenta (50%)
- Yellow (27%)
- Black (34%)



- Cyan (34%)
- Magenta (67%)
- Yellow (51%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.2488, 16.3873, 21.0065 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 23.2488, 16.3873, 21.0065 by changing the saturation by 10% instead.

■ 23.2488, 16.3873,
21.0065

■ 23.2488, 16.3873,
21.0065

261.5119,
231.6164, 270.0952

■ 14.8990, 9.7986,
12.9375

■ 48.2652, 37.2693,
45.9793

■ 8.8344, 5.2656,
7.2553

■ 65.6625, 52.3314,
63.7201

■ 4.6896, 2.4040,
3.5414

■ 86.8064, 70.9867,
85.5219

■ 2.0992, 0.8279,
1.3773

■ 112.0622, 93.6198,
111.8033

■ 0.6888, 0.0000,
0.1239

■ 141.7953,
120.6149, 142.9828

■ 0.0000, 0.0000,
0.0000

176.3711,

152.3564, 179.4789

216.1548,
189.2288, 221.7102

■ 23.2488, 16.3873,
21.0065

■ 23.2488, 16.3873,
21.0065

■ 21.5272, 13.8186,
17.7362

■ 25.3417, 19.6141,
24.6603

■ 20.1510, 11.8590,
14.8333

■ 27.8266, 23.5386,
28.7108

■ 19.0932, 10.4567,
12.2818


■ 30.7241, 28.2001,
33.1713


■ 18.3216, 9.5496,
10.0634

■ 34.0531, 33.6342,
38.0545


■ 17.7692, 9.0066,
8.1477


■ 37.8313, 39.8741,
43.3721

 17.7539, 8.9917,
8.0943

 42.0752, 46.9513,
49.1356

 46.8006, 54.8954,
55.3559

 52.0226, 63.7346,
62.0435

 57.7553, 73.4958,
69.2084

Harmonies

Analogous

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



21.4471, 16.3873, 32.9588



23.2488, 16.3873, 21.0065



22.7668, 16.3873, 11.7446

Triad

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



23.2488, 16.3873, 21.0065



13.2679, 16.3873, 5.1951



11.7069, 16.3873, 37.5334

Complementary

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



23.2488, 16.3873, 21.0065



21.9644, 31.9194, 26.1242

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.



10.0848, 16.3873, 25.7541



23.2488, 16.3873, 21.0065



10.8874, 16.3873, 8.2424

Square

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



23.2488, 16.3873, 21.0065



16.6443, 16.3873, 4.7414



9.8092, 16.3873, 15.0142



14.5538, 16.3873, 44.5964

Rectangle

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



23.2488, 16.3873, 21.0065



21.2412, 16.3873, 7.9067



9.8092, 16.3873, 15.0142



11.0193, 16.3873, 33.8236

Sweetspot

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



23.2493, 16.3881, 21.0068



57.5705, 54.6443, 63.1898



19.5860, 14.0926, 39.2241



12.2915, 11.4926, 13.3939



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



23.2493, 16.3881, 21.0068



38.1800, 24.2040, 31.0126



21.4759, 16.0385, 10.5592



7.6706, 7.5981, 8.5825



13.2584, 6.7121, 6.1724



0.3486, 0.1737, 0.2871

Inverse Universe

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



23.2493, 16.3881, 21.0068



38.1800, 24.2040, 31.0126



24.5809, 32.1415, 42.4446



7.6706, 7.5981, 8.5825



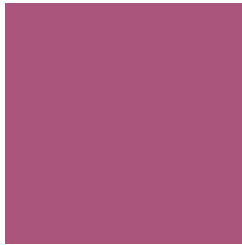
13.2584, 6.7121, 6.1724



0.3486, 0.1737, 0.2871

Previews

White Background



This preview shows how the XYZ color 23.2488, 16.3873, 21.0065 looks on a white background.

Color Contrast Check

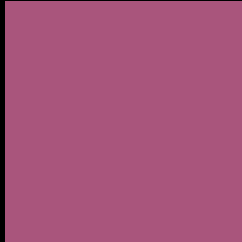
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.2488, 16.3873, 21.0065 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

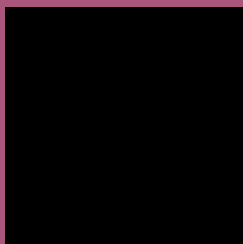
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 23.2488, 16.3873, 21.0065

Background



This preview shows how black text looks on a background with the XYZ color 23.2488, 16.3873, 21.0065.



This preview shows how white text looks on a background with the XYZ color 23.2488, 16.3873,

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

23.2488, 16.3873, 21.0065

Protanopia

16.6205, 16.6055, 27.9204

Deuteranopia

16.8513, 16.5729, 20.0800



Tritanopia

21.5397, 16.2824, 13.3168

Trichromacy



Original Color

23.2488, 16.3873, 21.0065

Protanomaly

18.1778, 15.9191, 25.0363

Deuteranomaly

18.5861, 16.0911, 20.2155

Tritanomaly

22.0799, 16.2565, 15.8840

Monochromacy



Original Color

23.2488, 16.3873, 21.0065

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 23.2488, 16.3873, 21.0065 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(169, 85, 124)` looks like.

```
.text, #text, p{  
    color:rgb(169, 85, 124)  
}
```

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(169, 85, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 85, 124) }
```

Border

The CSS property to change the border of an element to XYZ 23.2488, 16.3873, 21.0065 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(169, 85, 124) }
```


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

```
.border{ border-color:rgb(169, 85, 124) }
```

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

Here you see how a box with a 4 pixel `rgb(169, 85, 124)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(169, 85, 124); -webkit-box-  
shadow:4px 4px 4px 4px rgb(169, 85, 124);  
box-shadow:4px 4px 4px 4px rgb(169, 85,  
124) }
```

Background

The CSS property to change the background color of an element to XYZ 23.2488, 16.3873, 21.0065 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 85, 124) }
```

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

```
.background{ background-color: rgb(169, 85,  
124) }
```

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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