

Converting Colors

XYZ(23.6785, 16.4942, 23.4643)

Have a look what the booklet for
XYZ(23.6785, 16.4942, 23.4643)
contains.

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Color

**XYZ(23.6292, 16.4144,
23.3956)**

Conversions

Conversions Part 1

Format	Color
Hex	A95483
RGB	169, 84, 131
RGB Percent	66%, 33%, 51%
CMY	0.3373, 0.6706, 0.4863
CMYK	0.00, 0.50, 0.22, 0.34
HSL	327°, 34%, 50%
HSV	327°, 50%, 66%
XYZ	23.6292, 16.4144, 23.3956
YIQ	114.7730, 35.5730, 32.6370

Conversions

Conversions Part 2

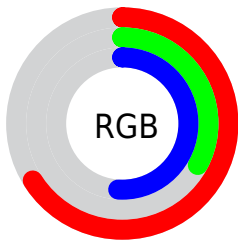
Format	Color
R_{YB}	169, 84, 131
Decimal	11097219
CIE _{Lab}	47.51, 40.63, -10.28
CIE _{LCh}	48, 41.910, 345.795
Yxy	16.4144, 0.3725, 0.2587
Android (android.graphics.Color)	4289287299 (0xFFA95483)
YUV	114.7730, 7.9999, 47.5571
Hunter-Lab	40.5147, 33.2050, -5.8773

Details

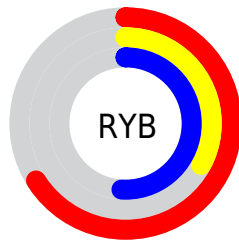
The XYZ color **23.6292, 16.4144, 23.3956** is a dark color, and the websafe version is hex **CC6699**. A complement of this color would be **21.3578, 31.6663, 23.4005**, and the grayscale version is **16.1966, 17.0401, 18.5566**.

A 20% lighter version of the original color is **48.8199, 37.2378, 49.9619**, and **9.0063, 5.2743, 8.5260** is the 20% darker color. If you saturate the color by 10%, you get **21.9787, 13.9031, 20.4104**, and if you desaturate by 10%, it is **25.6345, 19.5751, 26.6837**.

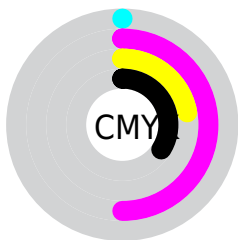
Distribution



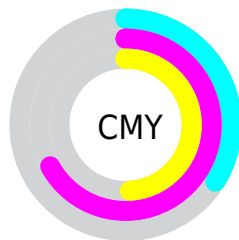
- Red (66%)
- Green (33%)
- Blue (51%)



- Red (66%)
- Yellow (33%)
- Blue (51%)



- Cyan (0%)
- Magenta (50%)
- Yellow (22%)
- Black (34%)



- Cyan (34%)
- Magenta (67%)
- Yellow (49%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.6292, 16.4144, 23.3956 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 23.6292, 16.4144, 23.3956 by changing the saturation by 10% instead.

■ 23.6292, 16.4144,
23.3956

■ 23.6292, 16.4144,
23.3956

263.4158,
231.7747, 282.9379

■ 15.1820, 9.8179,
14.6778

■ 48.8835, 37.3161,
49.9735

■ 9.0344, 5.2784,
8.4495

■ 66.4214, 52.3901,
68.6707

■ 4.8209, 2.4115,
4.2920

■ 87.7202, 71.0587,
91.5315

■ 2.1762, 0.8318,
1.7869

■ 113.1453, 93.7064,
118.9744

■ 0.7302, 0.0000,
0.4193

■ 143.0621,
120.7174, 151.4179

■ 0.0000, 0.0000,
0.0000

177.8358,

152.4762, 189.2807

217.8320,
189.3672, 232.9812

■ 23.6292, 16.4144,
23.3956

■ 23.6292, 16.4144,
23.3956

■ 21.9787, 13.9031,
20.4104

■ 25.6345, 19.5751,
26.6837

■ 20.6575, 11.9922,
17.7151

■ 28.0147, 23.4249,
30.2847

■ 19.6391, 10.6296,
15.2972

■ 30.7902, 28.0029,
34.2091

■ 18.8916, 9.7530,
13.1417

■ 33.9792, 33.3447,
38.4668

■ 18.3577, 9.2332,
11.2738

■ 37.5990, 39.4835,
43.0668

■ 41.6657, 46.4506,
48.0179

■ 46.1947, 54.2756,
53.3286

■ 51.2004, 62.9865,
59.0069

■ 56.6970, 72.6102,
65.0607

Harmonies

Analogous

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



21.3220, 16.4144, 36.3370



23.6292, 16.4144, 23.3956



23.5614, 16.4144, 12.8486

Triad

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



23.6292, 16.4144, 23.3956



13.7312, 16.4144, 4.5060



11.1200, 16.4144, 36.9872

Complementary

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



23.6292, 16.4144, 23.3956



21.3578, 31.6663, 23.4005

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.



9.6726, 16.4144, 24.0602



23.6292, 16.4144, 23.3956



11.0081, 16.4144, 7.0434

Square

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



23.6292, 16.4144, 23.3956



17.4265, 16.4144, 4.4474



9.6352, 16.4144, 13.2952



13.9084, 16.4144, 46.0585

Rectangle

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



23.6292, 16.4144, 23.3956



22.1646, 16.4144, 8.3566



9.6352, 16.4144, 13.2952



10.4815, 16.4144, 32.7616

Sweetspot

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



23.6297, 16.4152, 23.3959



57.9185, 54.7835, 65.0222



18.1944, 13.2592, 39.1364



12.3762, 11.5264, 13.8398



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.



23.6297, 16.4152, 23.3959



39.1572, 24.5949, 36.1585



21.3644, 15.5091, 11.4673



7.6982, 7.6091, 8.7277



13.7092, 6.8924, 8.5460



0.3587, 0.1778, 0.3406

Inverse Universe

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



23.6297, 16.4152, 23.3959



39.1572, 24.5949, 36.1585



24.4854, 32.9173, 39.8705



7.6982, 7.6091, 8.7277



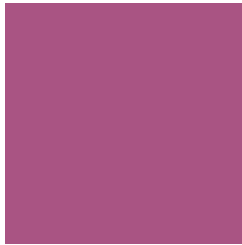
13.7092, 6.8924, 8.5460



0.3587, 0.1778, 0.3406

Previews

White Background



This preview shows how the XYZ color 23.6292, 16.4144, 23.3956 looks on a white background.

Color Contrast Check

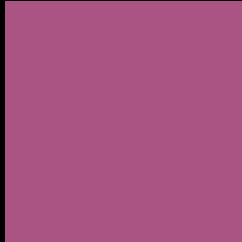
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.6292, 16.4144, 23.3956 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

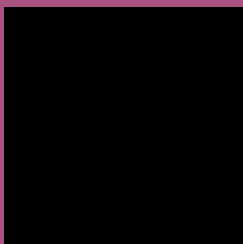
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 23.6292, 16.4144, 23.3956

Background



This preview shows how black text looks on a background with the XYZ color 23.6292, 16.4144, 23.3956.



This preview shows how white text looks on a background with the XYZ color 23.6292, 16.4144,

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

23.6292, 16.4144, 23.3956

Protanopia

16.8927, 16.6739, 31.1822

Deuteranopia

16.8779, 16.5357, 22.3808



Tritanopia

21.6716, 16.4710, 13.5923

Trichromacy



Original Color

23.6292, 16.4144, 23.3956

Protanomaly

18.4617, 15.9979, 28.1015

Deuteranomaly

18.8665, 16.1842, 22.5516

Tritanomaly

22.2405, 16.3207, 16.7299

Monochromacy



Original Color

23.6292, 16.4144, 23.3956

Achromatopsia

16.2955, 17.1441, 18.6699

Achromatomaly

18.3932, 16.4320, 20.2914

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.6292, 16.4144, 23.3956 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, 84, 131)` looks like.

```
.text, #text, p{  
    color:rgb(169, 84, 131)  
}
```

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, 84, 131) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 84, 131) }
```

Border

The CSS property to change the border of an element to XYZ 23.6292, 16.4144, 23.3956 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, 84, 131) }
```


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

```
.border{ border-color:rgb(169, 84, 131) }
```

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

Here you see how a box with a 4 pixel `rgb(169, 84, 131)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(169, 84, 131); -webkit-box-  
shadow:4px 4px 4px 4px rgb(169, 84, 131);  
box-shadow:4px 4px 4px 4px rgb(169, 84,  
131) }
```

Background

The CSS property to change the background color of an element to XYZ 23.6292, 16.4144, 23.3956 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 84, 131) }
```

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

```
.background{ background-color: rgb(169, 84,  
131) }
```

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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