

Converting Colors

XYZ(23.3962, 17.5713, 23.6839)

Have a look what the booklet for
XYZ(23.3962, 17.5713, 23.6839)
contains.

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Color

**XYZ(23.4093, 17.5366,
23.6238)**

Conversions

Conversions Part 1

Format	Color
Hex	A45E83
RGB	164, 94, 131
RGB Percent	64%, 37%, 51%
CMY	0.3569, 0.6314, 0.4863
CMYK	0.00, 0.43, 0.20, 0.36
HSL	328°, 28%, 51%
HSV	328°, 43%, 64%
XYZ	23.4093, 17.5366, 23.6238
YIQ	119.1480, 29.8430, 26.3470

Conversions

Conversions Part 2

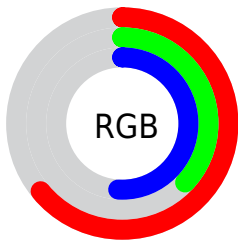
Format	Color
RYB	164, 94, 131
Decimal	10772099
CIELab	48.93, 33.55, -8.23
CIELCh	49, 34.543, 346.214
Yxy	17.5366, 0.3625, 0.2716
Android (android.graphics.Color)	4288962179 (0xFFA45E83)
YUV	119.1480, 5.8430, 39.3352
Hunter-Lab	41.8767, 26.4981, -4.1334

Details

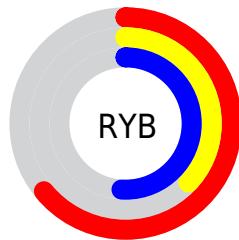
The XYZ color **23.4093, 17.5366, 23.6238** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **21.7231, 30.4635, 24.8152**, and the grayscale version is **17.5574, 18.4717, 20.1157**.

A 20% lighter version of the original color is **48.4458, 39.2341, 50.3670**, and **8.8918, 5.8010, 8.6337** is the 20% darker color. If you saturate the color by 10%, you get **21.5983, 14.7221, 20.5305**, and if you desaturate by 10%, it is **25.5703, 20.9881, 27.0271**.

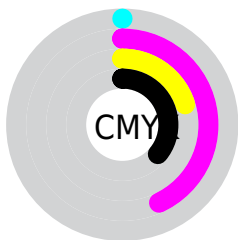
Distribution



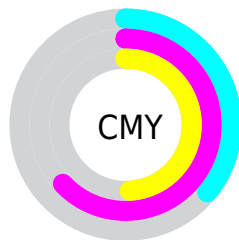
- Red (64%)
- Green (37%)
- Blue (51%)



- Red (64%)
- Yellow (37%)
- Blue (51%)



- Cyan (0%)
- Magenta (43%)
- Yellow (20%)
- Black (36%)





- Cyan (36%)
- Magenta (63%)
- Yellow (49%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 23.4093, 17.5366, 23.6238 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 23.4093, 17.5366, 23.6238 by changing the saturation by 10% instead.


 23.4093, 17.5366,
23.6238


 23.4093, 17.5366,
23.6238


262.3166,
238.2460, 284.1380


 15.0184, 10.6178,
14.8452


 48.5263, 39.2461,
50.3517


 8.9187, 5.8105,
8.5654


 65.9830, 54.8056,
69.1381

 4.7449, 2.7302,
4.3659

 87.1924, 74.0141,
92.0974

 2.1316, 0.9925,
1.8281

 112.5198, 97.2561,
119.6483

 0.7063, 0.0000,
0.4464

142.3306,
124.9158, 152.2093

 0.0000, 0.0000,
0.0000

176.9900,

157.3778, 190.1989

216.8636,
195.0264, 234.0356

■ 23.4093, 17.5366,
23.6238

■ 23.4093, 17.5366,
23.6238

■ 21.5983, 14.7221,
20.5305

■ 25.5703, 20.9881,
27.0271

■ 20.1151, 12.5021,
17.7350

■ 28.0986, 25.1106,
30.7497

■ 18.9373, 10.8330,
15.2259

■ 31.0122, 29.9385,
34.8018

■ 18.0387, 9.6639,
12.9897

■ 34.3275, 35.5033,
39.1925

■ 17.3882, 8.9343,
11.0116

■ 38.0597, 41.8344,
43.9306

■ 17.0173, 8.5755,
9.7072

■ 42.2235, 48.9597,
49.0247

■ 46.8325, 56.9057,
54.4830

■ 51.9001, 65.6975,
60.3131

■ 57.4387, 75.3594,
66.5227

Harmonies

Analogous

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



21.5325, 17.5366, 34.1229



23.4093, 17.5366, 23.6238



23.3245, 17.5366, 14.5719

Triad

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



23.4093, 17.5366, 23.6238



15.0034, 17.5366, 6.6539



12.7516, 17.5366, 34.9087

Complementary

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



23.4093, 17.5366, 23.6238



21.7231, 30.4635, 24.8152

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.



11.4163, 17.5366, 24.4673



23.4093, 17.5366, 23.6238



12.5976, 17.5366, 9.2890

Square

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



23.4093, 17.5366, 23.6238



18.1824, 17.5366, 6.5584



11.3638, 17.5366, 15.1844



15.2401, 17.5366, 41.9193

Rectangle

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



23.4093, 17.5366, 23.6238



22.1599, 17.5366, 10.4396



11.3638, 17.5366, 15.1844



12.1679, 17.5366, 31.5567

Sweetspot

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



23.4098, 17.5374, 23.6241



55.9746, 53.8138, 62.7396



19.4072, 15.1732, 37.0281



11.9817, 11.3395, 13.3669



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

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



23.4098, 17.5374, 23.6241



39.4210, 27.0544, 37.6527



21.4399, 16.7495, 13.2509



7.2228, 7.1456, 8.1599



13.0722, 6.5849, 7.5707



0.2983, 0.1478, 0.2837

Inverse Universe

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



23.4098, 17.5374, 23.6241



39.4210, 27.0544, 37.6527



24.3841, 31.5279, 38.8279



7.2228, 7.1456, 8.1599



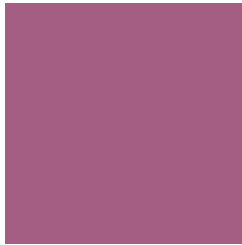
13.0722, 6.5849, 7.5707



0.2983, 0.1478, 0.2837

Previews

White Background



This preview shows how the XYZ color 23.4093, 17.5366, 23.6238 looks on a white background.

Color Contrast Check

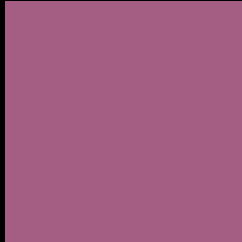
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.4093, 17.5366, 23.6238 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

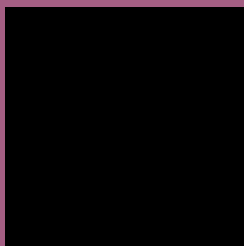
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 23.4093, 17.5366, 23.6238

Background



This preview shows how black text looks on a background with the XYZ color 23.4093, 17.5366, 23.6238.



This preview shows how white text looks on a background with the XYZ color 23.4093, 17.5366,

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

23.4093, 17.5366, 23.6238

Protanopia

17.7866, 17.8501, 29.2960

Deuteranopia

17.9698, 17.5797, 22.8682



Tritanopia

21.7613, 17.5414, 15.8745

Trichromacy



Original Color

23.4093, 17.5366, 23.6238

Protanomaly

19.3021, 17.3644, 27.1453

Deuteranomaly

19.5977, 17.2963, 23.0745

Tritanomaly

22.2695, 17.4686, 18.4177

Monochromacy



Original Color

23.4093, 17.5366, 23.6238

Achromatopsia

17.5343, 18.4475, 20.0893

Achromatomaly

19.1428, 17.7328, 21.1527

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.4093, 17.5366, 23.6238 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(164, 94, 131)` looks like.

```
.text, #text, p{  
    color:rgb(164, 94, 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(164, 94, 131) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 94, 131) }
```

Border

The CSS property to change the border of an element to XYZ 23.4093, 17.5366, 23.6238 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(164, 94, 131) }
```


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

```
.border{ border-color:rgb(164, 94, 131) }
```

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

Here you see how a box with a 4 pixel `rgb(164, 94, 131)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(164, 94, 131); -webkit-box-shadow:4px 4px 4px 4px rgb(164, 94, 131); box-shadow:4px 4px 4px 4px rgb(164, 94, 131) }
```

Background

The CSS property to change the background color of an element to XYZ 23.4093, 17.5366, 23.6238 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 94, 131) }
```

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

```
.background{ background-color: rgb(164, 94,  
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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