

Converting Colors

XYZ(23.5431, 18.4119, 24.5361)

Have a look what the booklet for
XYZ(23.5431, 18.4119, 24.5361)
contains.

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Color

**XYZ(23.4888, 18.3849,
24.5009)**

Conversions

Conversions Part 1

Format	Color
Hex	A16485
RGB	161, 100, 133
RGB Percent	63%, 39%, 52%
CMY	0.3686, 0.6078, 0.4784
CMYK	0.00, 0.38, 0.17, 0.37
HSL	328°, 24%, 51%
HSV	328°, 38%, 63%
XYZ	23.4888, 18.3849, 24.5009
YIQ	122.0010, 25.7630, 23.1950

Conversions

Conversions Part 2

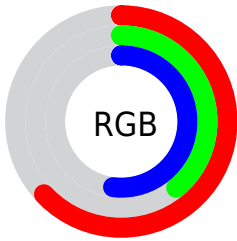
Format	Color
R_{YB}	161, 100, 133
Decimal	10577029
CIE _{Lab}	49.96, 29.46, -7.92
CIE _{LCh}	50, 30.508, 344.945
Yxy	18.3849, 0.3539, 0.2770
Android (android.graphics.Color)	4288767109 (0xFFFA16485)
YUV	122.0010, 5.4225, 34.2021
Hunter-Lab	42.8776, 22.7483, -3.8648

Details

The XYZ color **23.4888, 18.3849, 24.5009** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **21.8976, 29.7582, 25.0134**, and the grayscale version is **18.4765, 19.4387, 21.1687**.

A 20% lighter version of the original color is **48.7064, 40.7534, 51.7534**, and **8.9684, 6.1959, 9.1107** is the 20% darker color. If you saturate the color by 10%, you get **21.6017, 15.3992, 21.4407**, and if you desaturate by 10%, it is **25.7180, 21.9970, 27.8528**.

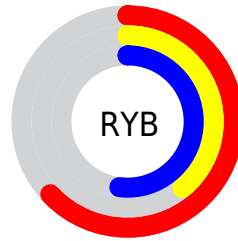
Distribution



Red (63%)

Green (39%)

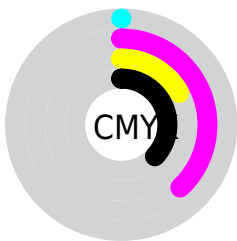
Blue (52%)



Red (63%)

Yellow (39%)

Blue (52%)

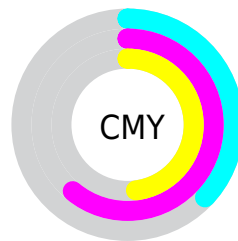


Cyan (0%)

Magenta (38%)

Yellow (17%)

Black (37%)



Cyan (37%)


Magenta (61%)


Yellow (48%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.4888, 18.3849, 24.5009 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 23.4888, 18.3849, 24.5009 by changing the saturation by 10% instead.

 23.4888, 18.3849,
24.5009


 23.4888, 18.3849,
24.5009


262.7144,
243.0317, 288.7109


 15.0775, 11.2267,
15.4900


 48.6555, 40.6921,
51.8004


 8.9605, 6.2195,
9.0136


 66.1416, 56.6099,
70.9261

 4.7723, 2.9790,
4.6531

 87.3833, 76.2163,
94.2604

 2.1477, 1.1208,
1.9900

 112.7461, 99.8957,
122.2219

 0.7149, 0.0000,
0.5491

142.5953,
128.0326, 155.2292

 0.0000, 0.0000,
0.0000

177.2961,

161.0113, 193.7008

217.2141,
199.2162, 238.0551

■ 23.4888, 18.3849,
24.5009

■ 23.4888, 18.3849,
24.5009

■ 21.6017, 15.3992,
21.4407

■ 25.7180, 21.9970,
27.8528

■ 20.0364, 13.0009,
18.6613

■ 28.3051, 26.2664,
31.5046

■ 18.7727, 11.1507,
16.1523

■ 31.2667, 31.2249,
35.4655

■ 17.7873, 9.8031,
13.9022

■ 34.6178, 36.9018,
39.7437

■ 17.0531, 8.9055,
11.8979

■ 38.3727, 43.3243,
44.3473

■ 16.5238, 8.3665,
10.1197

■ 42.5449, 50.5184,
49.2839

■ 16.4222, 8.2668,
9.7671

■ 47.1472, 58.5088,
54.5610

■ 52.1918, 67.3191,
60.1855

■ 57.6906, 76.9720,
66.1643

Harmonies

Analogous

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



21.7570, 18.3849, 33.7226



23.4888, 18.3849, 24.5009



23.4922, 18.3849, 16.1441

Triad

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



23.4888, 18.3849, 24.5009



16.0633, 18.3849, 8.1385



13.7876, 18.3849, 33.6918

Complementary

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



23.4888, 18.3849, 24.5009



21.8976, 29.7582, 25.0134

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.



12.5833, 18.3849, 24.4669



23.4888, 18.3849, 24.5009



13.7941, 18.3849, 10.6435

Square

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



23.4888, 18.3849, 24.5009



18.9765, 18.3849, 8.1429



12.5856, 18.3849, 16.1183



16.0535, 18.3849, 39.9536

Rectangle

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



23.4888, 18.3849, 24.5009



22.5028, 18.3849, 12.1355



12.5856, 18.3849, 16.1183



13.2570, 18.3849, 30.7364

Sweetspot

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



23.4893, 18.3858, 24.5013



54.1582, 52.8317, 61.0972



19.8106, 16.2352, 35.8081



11.7298, 11.3389, 13.2028



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444

Same Dimension

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



23.4893, 18.3858, 24.5013



39.3284, 28.5822, 39.4753



21.7066, 17.6726, 15.1133



7.2265, 7.1470, 8.1790



13.1366, 6.6107, 7.9099



0.2996, 0.1483, 0.2901

Inverse Universe

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



23.4893, 18.3858, 24.5013



39.3284, 28.5822, 39.4753



24.1683, 30.6665, 36.9710



7.2265, 7.1470, 8.1790



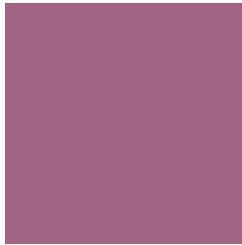
13.1366, 6.6107, 7.9099



0.2996, 0.1483, 0.2901

Previews

White Background



This preview shows how the XYZ color 23.4888, 18.3849, 24.5009 looks on a white 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

Black Background



This preview shows how the XYZ color 23.4888, 18.3849, 24.5009 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 23.4888, 18.3849, 24.5009

Background



This preview shows how black text looks on a background with the XYZ color 23.4888, 18.3849, 24.5009.



This preview shows how white text looks on a background with the XYZ color 23.4888, 18.3849,

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

23.4888, 18.3849, 24.5009

Protanopia

18.3993, 18.5119, 29.3915

Deuteranopia

18.8788, 18.5381, 23.7023



Tritanopia

22.1730, 18.4414, 17.7201

Trichromacy



Original Color

23.4888, 18.3849, 24.5009

Protanomaly

19.6981, 18.0378, 27.6427

Deuteranomaly

20.3201, 18.2795, 23.9300

Tritanomaly

22.7376, 18.5301, 20.1476

Monochromacy



Original Color

23.4888, 18.3849, 24.5009

Achromatopsia

18.4984, 19.4618, 21.1939

Achromatomaly

19.9366, 18.7752, 22.3119

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.4888, 18.3849, 24.5009 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(161, 100, 133)` looks like.

```
.text, #text, p{  
    color:rgb(161, 100, 133)  
}
```

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(161, 100, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 100, 133) }
```

Border

The CSS property to change the border of an element to XYZ 23.4888, 18.3849, 24.5009 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(161, 100, 133) }
```


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

```
.border{ border-color:rgb(161, 100, 133) }
```

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

Here you see how a box with a 4 pixel `rgb(161, 100, 133)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(161, 100, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(161, 100, 133);  
box-shadow:4px 4px 4px 4px rgb(161, 100,  
133) }
```

Background

The CSS property to change the background color of an element to XYZ 23.4888, 18.3849, 24.5009 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 100, 133) }
```

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

```
.background{ background-color: rgb(161,  
100, 133) }
```

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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