

Converting Colors

XYZ(23.9822, 21.6408, 48.4145)

Have a look what the booklet for
XYZ(23.9822, 21.6408, 48.4145)
contains.

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Color

**XYZ(23.9234, 21.6648,
48.2682)**

Conversions

Conversions Part 1

Format	Color
Hex	7C7AB8
RGB	124, 122, 184
RGB Percent	49%, 48%, 72%
CMY	0.5137, 0.5216, 0.2784
CMYK	0.33, 0.34, 0.00, 0.28
HSL	242°, 30%, 60%
HSV	242°, 34%, 72%
XYZ	23.9234, 21.6648, 48.2682
YIQ	129.6660, -18.7100, 19.7060

Conversions

Conversions Part 2

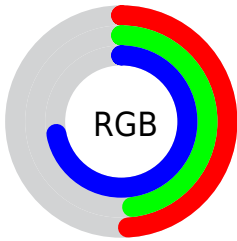
Format	Color
R_{YB}	124, 122, 184
Decimal	8157880
CIE _{Lab}	53.67, 15.39, -32.38
CIE _{LCh}	54, 35.851, 295.427
Yxy	21.6648, 0.2549, 0.2308
Android (android.graphics.Color)	4286347960 (0xFF7C7AB8)
YUV	129.6660, 26.7867, -4.9691
Hunter-Lab	46.5455, 10.2907, -28.9026

Details

The XYZ color **23.9234, 21.6648, 48.2682** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **39.9451, 45.6316, 25.1156**, and the grayscale version is **21.0141, 22.1085, 24.0761**.

A 20% lighter version of the original color is **49.2243, 46.0284, 88.7280**, and **9.1518, 7.7815, 22.4924** is the 20% darker color. If you saturate the color by 10%, you get **19.5294, 16.3577, 47.4758**, and if you desaturate by 10%, it is **29.2114, 28.0686, 49.2259**.

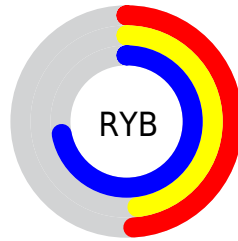
Distribution



Red (49%)

Green (48%)

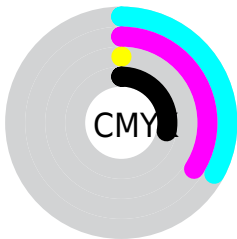
Blue (72%)



Red (49%)

Yellow (48%)

Blue (72%)

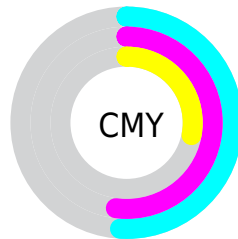


Cyan (33%)

Magenta (34%)

Yellow (0%)

Black (28%)



Cyan (51%)

Magenta (52%)

Yellow (28%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.9234, 21.6648, 48.2682 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 23.9234, 21.6648, 48.2682 by changing the saturation by 10% instead.

■ 23.9234, 21.6648,
48.2682

■ 23.9234, 21.6648,
48.2682

264.8807,
260.7907, 396.3936

■ 15.4012, 13.6108,
33.6778

■ 49.3608, 46.1914,
88.9733

■ 9.1896, 7.8505,
22.3709

■ 67.0067, 63.4327,
115.9251

■ 4.9232, 3.9994,
13.9287

■ 88.4245, 84.5053,
147.8345

■ 2.2365, 1.6732,
7.9329

113.9797,
109.7935, 185.1199

■ 0.7619, 0.4062,
3.9649

144.0375,
139.6818, 228.2000

■ 0.0000, 0.0000,
1.6061

178.9634,

■ 0.0000, 0.0000,

174.5545, 277.4933

0.2952

219.1227,
214.7960, 333.4183

■ 0.0000, 0.0000,
0.0000

■ 23.9234, 21.6648,
48.2682

■ 23.9234, 21.6648,
48.2682

■ 19.5294, 16.3577,
47.4758

■ 29.2114, 28.0686,
49.2259

■ 15.9777, 12.0834,
46.8380

■ 35.4364, 35.6231,
50.3560

■ 13.2153, 8.7754,
46.3451

■ 42.6417, 44.3818,
51.6668

■ 11.1818, 6.3585,
45.9857

■ 50.8669, 54.3941,
53.1659

■ 9.8083, 4.7462,
45.7469

■ 60.1497, 65.7065,
54.8602

■ 9.0126, 3.8348,
45.6129

■ 70.5256, 78.3634,
56.7563

■ 8.7261, 3.4990,
45.5632

■ 82.0288, 92.4070,
58.8607

■ 85.6518, 96.2407,
59.4097

Harmonies

Analogous

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



20.0094, 21.6648, 51.5283



23.9234, 21.6648, 48.2682



27.2808, 21.6648, 37.7190

Triad

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



23.9234, 21.6648, 48.2682



25.0666, 21.6648, 10.1217



14.0804, 21.6648, 21.9452

Complementary

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



23.9234, 21.6648, 48.2682



39.9451, 45.6316, 25.1156

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.



15.0965, 21.6648, 13.5193



23.9234, 21.6648, 48.2682



21.1853, 21.6648, 8.1778

Square

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



23.9234, 21.6648, 48.2682



27.9962, 21.6648, 15.6330



17.5847, 21.6648, 9.1937



14.6235, 21.6648, 33.8699

Rectangle

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



23.9234, 21.6648, 48.2682



28.5859, 21.6648, 29.3126



17.5847, 21.6648, 9.1937



14.2470, 21.6648, 18.6641

Sweetspot

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



23.9242, 21.6656, 48.2687



68.6382, 69.9227, 92.0834



33.6049, 41.4520, 51.5776



14.4162, 14.6112, 19.7820



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

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



23.9242, 21.6656, 48.2687



37.6467, 32.3605, 86.4666



28.9447, 24.2538, 48.5037



8.5472, 8.7329, 11.3146



6.0255, 2.4175, 31.4021



0.2215, 0.0899, 1.1074

Inverse Universe

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



35.1707, 27.4875, 47.7081



61.0081, 44.4563, 85.1852



33.5966, 42.3588, 24.8184



9.3681, 9.1576, 11.2857



19.1713, 9.2423, 29.8526



0.6798, 0.3274, 1.0731

Previews

White Background



This preview shows how the XYZ color 23.9234, 21.6648, 48.2682 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 23.9234, 21.6648, 48.2682 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 23.9234, 21.6648, 48.2682

Background



This preview shows how black text looks on a background with the XYZ color 23.9234, 21.6648, 48.2682.



This preview shows how white text looks on a background with the XYZ color 23.9234, 21.6648,

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

23.9234, 21.6648, 48.2682

Protanopia

22.6148, 21.6977, 50.0099

Deuteranopia

22.2000, 21.7234, 47.8227



Tritanopia

19.9942, 21.8005, 28.3534

Trichromacy



Original Color

23.9234, 21.6648, 48.2682

Protanomaly

23.1360, 21.7898, 49.4408

Deuteranomaly

22.6909, 21.5968, 47.7724

Tritanomaly

21.2762, 21.7242, 34.9701

Monochromacy



Original Color

23.9234, 21.6648, 48.2682

Achromatopsia

21.2178, 22.3228, 24.3095

Achromatomaly

21.9965, 21.9699, 31.9354

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.9234, 21.6648, 48.2682 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(124, 122, 184)` looks like.

```
.text, #text, p{  
    color:rgb(124, 122, 184)  
}
```

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(124, 122, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(124, 122, 184) }
```

Border

The CSS property to change the border of an element to XYZ 23.9234, 21.6648, 48.2682 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(124, 122, 184) }
```


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

```
.border{ border-color:rgb(124, 122, 184) }
```

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

Here you see how a box with a 4 pixel `rgb(124, 122, 184)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(124, 122, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(124, 122, 184);  
box-shadow:4px 4px 4px 4px rgb(124, 122,  
184) }
```

Background

The CSS property to change the background color of an element to XYZ 23.9234, 21.6648, 48.2682 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(124, 122, 184) }
```

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

```
.background{ background-color: rgb(124,  
122, 184) }
```

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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