

Converting Colors

XYZ(24.4326, 23.0679, 47.9472)

Have a look what the booklet for
XYZ(24.4326, 23.0679, 47.9472)
contains.

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Color

**XYZ(24.4348, 23.0682,
47.9645)**

Conversions

Conversions Part 1

Format	Color
Hex	7B80B7
RGB	123, 128, 183
RGB Percent	48%, 50%, 72%
CMY	0.5176, 0.4980, 0.2824
CMYK	0.33, 0.30, 0.00, 0.28
HSL	235°, 29%, 60%
HSV	235°, 33%, 72%
XYZ	24.4348, 23.0682, 47.9645
YIQ	132.7750, -20.6350, 16.0450

Conversions

Conversions Part 2

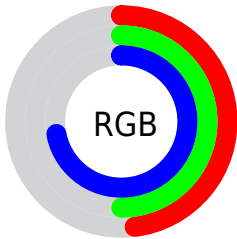
Format	Color
R _Y B	123, 128, 183
Decimal	8093879
CIE Lab	55.14, 11.28, -29.52
CIE LCh	55, 31.599, 290.910
Yxy	23.0682, 0.2559, 0.2416
Android (android.graphics.Color)	4286283959 (0xFF7B80B7)
YUV	132.7750, 24.7609, -8.5727
Hunter-Lab	48.0294, 6.7600, -25.5894

Details

The XYZ color **24.4348, 23.0682, 47.9645** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **39.0245, 43.3387, 25.0482**, and the grayscale version is **22.1315, 23.2840, 25.3563**.

A 20% lighter version of the original color is **50.2353, 48.6269, 88.3996**, and **9.4977, 8.5814, 22.2749** is the 20% darker color. If you saturate the color by 10%, you get **20.0474, 17.8228, 47.1837**, and if you desaturate by 10%, it is **29.6748, 29.2911, 48.8899**.

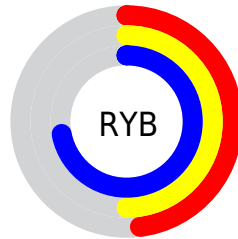
Distribution



Red (48%)

Green (50%)

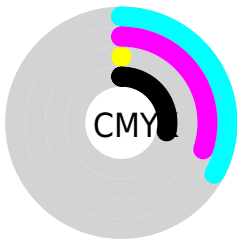
Blue (72%)



Red (48%)

Yellow (50%)

Blue (72%)

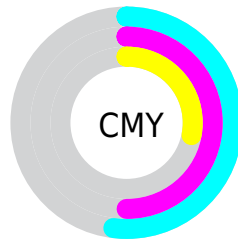


Cyan (33%)

Magenta (30%)

Yellow (0%)

Black (28%)



Cyan (52%)

Magenta (50%)

Yellow (28%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.4348, 23.0682, 47.9645 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 24.4348, 23.0682, 47.9645 by changing the saturation by 10% instead.

■ 24.4348, 23.0682,
47.9645

■ 24.4348, 23.0682,
47.9645

267.4112,
268.0751, 395.1560

■ 15.7829, 14.6439,
33.4390

■ 50.1883, 48.5053,
88.5165

■ 9.4606, 8.5698,
22.1891

■ 68.0207, 66.2868,
115.3802

■ 5.1023, 4.4617,
13.7963

■ 89.6440, 87.9563,
147.1935

■ 2.3428, 1.9350,
7.8420

115.4235,
113.8979, 184.3752

■ 0.8164, 0.5693,
3.9077

145.7247,
144.4962, 227.3438

■ 0.0000, 0.0000,
1.5748

180.9128,

■ 0.0000, 0.0000,

180.1356, 276.5178

0.2728

221.3532,
221.2004, 332.3157

■ 0.0000, 0.0000,
0.0000

■ 24.4348, 23.0682,
47.9645

■ 24.4348, 23.0682,
47.9645

■ 20.0474, 17.8228,
47.1837

■ 29.6748, 29.2911,
48.8899

■ 16.4653, 13.5026,
46.5386

■ 35.8069, 36.5350,
49.9649

■ 13.6399, 10.0546,
46.0220

■ 42.8708, 44.8438,
51.1963

■ 11.5165, 7.4191,
45.6252

■ 50.9033, 54.2582,
52.5902

■ 10.0331, 5.5290,
45.3385

■ 59.9389, 64.8168,
54.1519

■ 9.1164, 4.3061,
45.1508

■ 70.0108, 76.5562,
55.8870

■ 8.7217, 3.7677,
45.0677

■ 81.1503, 89.5115,
57.8005

■ 85.5473, 96.1989,
58.8596

Harmonies

Analogous

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



20.8722, 23.0682, 49.5748



24.4348, 23.0682, 47.9645



27.6184, 23.0682, 39.4531

Triad

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



24.4348, 23.0682, 47.9645



26.4831, 23.0682, 12.8625



15.8906, 23.0682, 22.1737

Complementary

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



24.4348, 23.0682, 47.9645



39.0245, 43.3387, 25.0482

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.



17.0743, 23.0682, 14.7580



24.4348, 23.0682, 47.9645



23.0140, 23.0682, 10.4118

Square

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



24.4348, 23.0682, 47.9645



28.8863, 23.0682, 18.8067



19.5944, 23.0682, 10.9977



16.1839, 23.0682, 32.7020

Rectangle

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



24.4348, 23.0682, 47.9645



28.9749, 23.0682, 32.0159



19.5944, 23.0682, 10.9977



16.1238, 23.0682, 19.2886

Sweetspot

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



24.4356, 23.0691, 47.9650



67.2802, 69.1451, 90.0360



33.1384, 41.2928, 48.3437



14.4849, 14.8301, 19.8207



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.



24.4356, 23.0691, 47.9650



38.2137, 34.6886, 84.9172



27.8437, 23.8816, 47.9422



8.5797, 8.8366, 11.3329



6.1061, 2.6720, 31.4470



0.2356, 0.1348, 1.1154

Inverse Universe

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



30.5084, 25.7925, 23.7934



50.7467, 40.4570, 34.9987



34.6098, 42.5667, 25.1318



9.0342, 9.0240, 9.5274



13.6958, 7.0521, 1.0188



0.4931, 0.2527, 0.0899

Previews

White Background



This preview shows how the XYZ color 24.4348, 23.0682, 47.9645 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 24.4348, 23.0682, 47.9645 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 24.4348, 23.0682, 47.9645

Background



This preview shows how black text looks on a background with the XYZ color 24.4348, 23.0682, 47.9645.



This preview shows how white text looks on a background with the XYZ color 24.4348, 23.0682,

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

24.4348, 23.0682, 47.9645

Protanopia

23.8098, 23.1129, 49.1053

Deuteranopia

23.6001, 23.0290, 48.0009



Tritanopia

20.9225, 23.0481, 30.5401

Trichromacy



Original Color

24.4348, 23.0682, 47.9645

Protanomaly

23.9732, 23.0128, 48.5258

Deuteranomaly

23.8687, 22.9710, 47.9756

Tritanomaly

21.9805, 22.8573, 36.0543

Monochromacy



Original Color

24.4348, 23.0682, 47.9645

Achromatopsia

22.2940, 23.4551, 25.5426

Achromatomaly

22.7555, 23.1341, 32.5441

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.4348, 23.0682, 47.9645 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(123, 128, 183)` looks like.

```
.text, #text, p{  
    color:rgb(123, 128, 183)  
}
```

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(123, 128, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 128, 183) }
```

Border

The CSS property to change the border of an element to XYZ 24.4348, 23.0682, 47.9645 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(123, 128, 183) }
```


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

```
.border{ border-color:rgb(123, 128, 183) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 128, 183)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 128, 183); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 128, 183);  
box-shadow:4px 4px 4px 4px rgb(123, 128,  
183) }
```

Background

The CSS property to change the background color of an element to XYZ 24.4348, 23.0682, 47.9645 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 128, 183) }
```

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

```
.background{ background-color: rgb(123,  
128, 183) }
```

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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