

Converting Colors

XYZ(23.7298, 24.9366, 48.3385)

Have a look what the booklet for
XYZ(23.7298, 24.9366, 48.3385)
contains.

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Color

**XYZ(23.7237, 24.9483,
48.3649)**

Conversions

Conversions Part 1

Format	Color
Hex	6A8BB7
RGB	106, 139, 183
RGB Percent	42%, 55%, 72%
CMY	0.5843, 0.4549, 0.2823
CMYK	0.42, 0.24, 0.00, 0.28
HSL	214°, 35%, 57%
HSV	214°, 42%, 72%
XYZ	23.7237, 24.9483, 48.3649
YIQ	134.1490, -33.7920, 6.6880

Conversions

Conversions Part 2

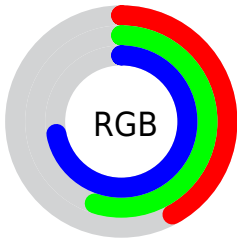
Format	Color
R_{YB}	106, 129, 183
Decimal	6982583
CIE Lab	57.03, 0.05, -26.69
CIE LCh	57, 26.694, 270.105
Yxy	24.9483, 0.2445, 0.2571
Android (android.graphics.Color)	4285172663 (0xFF6A8BB7)
YUV	134.1490, 24.0835, -24.6867
Hunter-Lab	49.9483, -2.6282, -22.4467

Details

The XYZ color **23.7237, 24.9483, 48.3649** is a dark color, and the websafe version is hex **6699CC**. A complement of this color would be **33.0369, 32.9213, 18.2497**, and the grayscale version is **22.6386, 23.8175, 25.9373**.

A 20% lighter version of the original color is **48.9268, 51.4049, 89.0048**, and **9.0698, 9.5133, 22.4773** is the 20% darker color. If you saturate the color by 10%, you get **20.3343, 21.0602, 47.7935**, and if you desaturate by 10%, it is **27.7237, 29.3673, 49.0075**.

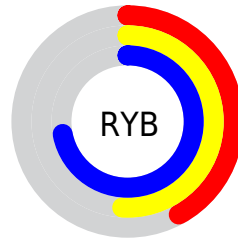
Distribution



Red (42%)

Green (55%)

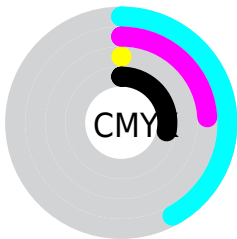
Blue (72%)



Red (42%)

Yellow (51%)

Blue (72%)

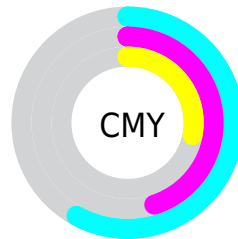


Cyan (42%)

Magenta (24%)

Yellow (0%)

Black (28%)



Cyan (58%)

Magenta (45%)

Yellow (28%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.7237, 24.9483, 48.3649 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 23.7237, 24.9483, 48.3649 by changing the saturation by 10% instead.

■ 23.7237, 24.9483,
48.3649

■ 23.7237, 24.9483,
48.3649

263.8871,
277.5804, 396.7870

■ 15.2524, 16.0385,
33.7539

■ 49.0369, 51.5733,
89.1187

■ 9.0842, 9.5514,
22.4288

■ 66.6095, 70.0574,
116.0985

■ 4.8537, 5.1026,
13.9710

■ 87.9467, 92.5017,
148.0384

■ 2.1955, 2.3076,
7.9620

■ 113.4136,
119.2906, 185.3568

■ 0.7404, 0.7777,
3.9832

143.3758,
150.8085, 228.4723

■ 0.0000, 0.0000,
1.6161

178.1985,

■ 0.0000, 0.0000,

187.4399, 277.8035

0.3023

218.2472,
229.5690, 333.7689

■ 0.0000, 0.0000,
0.0000

■ 23.7237, 24.9483,
48.3649

■ 23.7237, 24.9483,
48.3649

■ 20.3343, 21.0602,
47.7935

■ 27.7237, 29.3673,
49.0075

■ 17.5191, 17.6766,
47.2888

■ 32.3628, 34.3360,
49.7220

■ 15.2415, 14.7729,
46.8484

■ 37.6707, 39.8758,
50.5116

■ 13.4590, 12.3206,
46.4690

■ 43.6743, 46.0060,
51.3784

■ 12.1216, 10.2870,
46.1469

■ 50.3991, 52.7447,
52.3247

■ 11.3023, 8.9290,
45.9280

■ 57.8691, 60.1096,
53.3525

■ 66.1072, 68.1171,
54.4639

■ 75.1354, 76.7834,
55.6608

■ 78.9593, 83.0228,
56.6636

Harmonies

Analogous

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



20.8310, 24.9483, 45.0657



23.7237, 24.9483, 48.3649



26.8693, 24.9483, 45.0212

Triad

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



23.7237, 24.9483, 48.3649



29.3241, 24.9483, 19.3868



18.8574, 24.9483, 19.4308

Complementary

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



23.7237, 24.9483, 48.3649



33.0369, 32.9213, 18.2497

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.



20.8134, 24.9483, 14.7910



23.7237, 24.9483, 48.3649



26.8484, 24.9483, 14.7698

Square

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



23.7237, 24.9483, 48.3649



30.2718, 24.9483, 27.1327



23.7015, 24.9483, 13.2907



18.1767, 24.9483, 27.1962

Rectangle

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



23.7237, 24.9483, 48.3649



28.6490, 24.9483, 39.8216



23.7015, 24.9483, 13.2907



19.3785, 24.9483, 17.5212

Sweetspot

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



23.7245, 24.9492, 48.3655



66.3215, 70.2327, 90.2965



28.3536, 39.1220, 34.7573



14.1686, 15.0147, 19.8730



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.



23.7245, 24.9492, 48.3655



37.1188, 38.5376, 85.7178



20.2744, 17.1160, 47.0354



8.8291, 9.3354, 11.4160



7.9500, 6.3596, 32.0616



0.3419, 0.3475, 1.1508

Inverse Universe

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



29.3434, 22.2403, 27.1733



48.7199, 34.0024, 41.7253



37.8651, 44.3573, 20.2026



9.1601, 9.0744, 10.1904



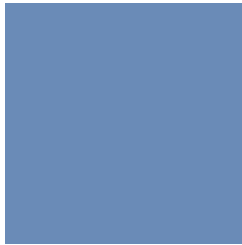
14.6265, 7.4243, 5.9198



0.5468, 0.2742, 0.3726

Previews

White Background



This preview shows how the XYZ color 23.7237, 24.9483, 48.3649 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 23.7237, 24.9483, 48.3649 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

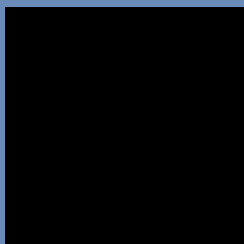
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

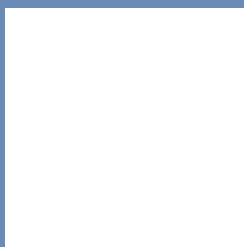
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 23.7237, 24.9483, 48.3649

Background



This preview shows how black text looks on a background with the XYZ color 23.7237, 24.9483, 48.3649.

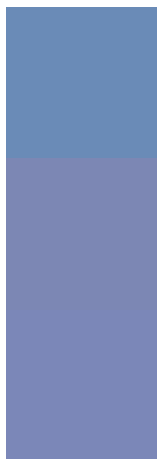


This preview shows how white text looks on a background with the XYZ color 23.7237, 24.9483,

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

23.7237, 24.9483, 48.3649

Protanopia

25.2144, 24.9083, 46.6589

Deuteranopia

25.4841, 24.9996, 48.8296



Tritanopia

21.1196, 24.9995, 35.1647

Trichromacy



Original Color

23.7237, 24.9483, 48.3649

Protanomaly

24.4808, 24.7264, 47.1985

Deuteranomaly

24.7920, 24.8509, 48.8374

Tritanomaly

22.0354, 24.9240, 39.7258

Monochromacy



Original Color

23.7237, 24.9483, 48.3649

Achromatopsia

22.6597, 23.8398, 25.9615

Achromatomaly

22.7838, 24.1604, 33.1684

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.7237, 24.9483, 48.3649 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(106, 139, 183)` looks like.

```
.text, #text, p{  
    color:rgb(106, 139, 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(106, 139, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 139, 183) }
```

Border

The CSS property to change the border of an element to XYZ 23.7237, 24.9483, 48.3649 is called "border". The border property can be set on classes, ids or directly on the HTML element.

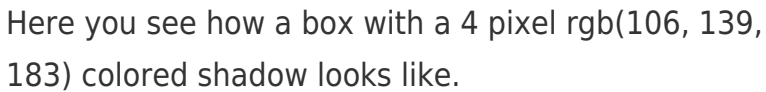
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(106, 139, 183) }
```


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

```
.border{ border-color:rgb(106, 139, 183) }
```

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



Here you see how a box with a 4 pixel `rgb(106, 139, 183)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(106, 139, 183); -webkit-box-shadow:4px 4px 4px 4px rgb(106, 139, 183); box-shadow:4px 4px 4px 4px rgb(106, 139, 183) }
```

Background

The CSS property to change the background color of an element to XYZ 23.7237, 24.9483, 48.3649 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 139, 183) }
```

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

```
.background{ background-color: rgb(106,  
139, 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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