

Converting Colors

XYZ(23.4784, 22.5139, 50.6851)

Have a look what the booklet for
XYZ(23.4784, 22.5139, 50.6851)
contains.

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Color

**XYZ(23.4784, 22.5139,
50.6851)**

Conversions

Conversions Part 1

Format	Color
Hex	7080BC
RGB	112, 128, 188
RGB Percent	44%, 50%, 74%
CMY	0.5608, 0.4980, 0.2627
CMYK	0.40, 0.32, 0.00, 0.26
HSL	227°, 36%, 59%
HSV	227°, 40%, 74%
XYZ	23.4784, 22.5139, 50.6851
YIQ	130.0560, -28.7960, 15.2680

Conversions

Conversions Part 2

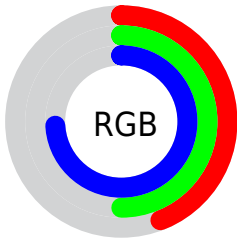
Format	Color
R _Y B	112, 125, 188
Decimal	7372988
CIE Lab	54.57, 9.55, -33.33
CIE LCh	55, 34.674, 285.988
Yxy	22.5139, 0.2429, 0.2329
Android (android.graphics.Color)	4285563068 (0xFF7080BC)
YUV	130.0560, 28.5664, -15.8351
Hunter-Lab	47.4488, 5.2891, -30.1198

Details

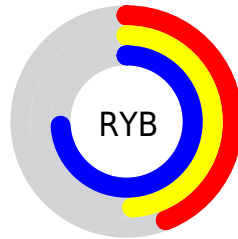
The XYZ color **23.4784, 22.5139, 50.6851** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **38.4171, 41.3674, 21.2903**, and the grayscale version is **21.1480, 22.2494, 24.2296**.

A 20% lighter version of the original color is **48.5789, 47.6864, 92.2320**, and **8.9027, 8.2430, 23.6761** is the 20% darker color. If you saturate the color by 10%, you get **19.5350, 17.8146, 49.9863**, and if you desaturate by 10%, it is **28.2060, 28.0388, 51.5028**.

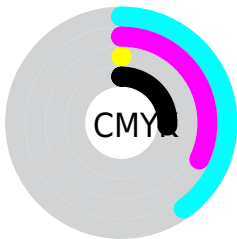
Distribution



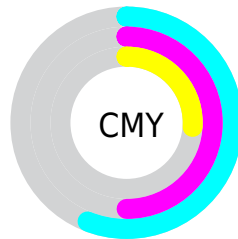
- Red (44%)
- Green (50%)
- Blue (74%)



- Red (44%)
- Yellow (49%)
- Blue (74%)



- Cyan (40%)
- Magenta (32%)
- Yellow (0%)
- Black (26%)



- Cyan (56%)
- Magenta (50%)
- Yellow (26%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.4784, 22.5139, 50.6851 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 23.4784, 22.5139, 50.6851 by changing the saturation by 10% instead.

■ 23.4784, 22.5139,
50.6851

■ 23.4784, 22.5139,
50.6851

262.6624,
265.2184, 406.1507

■ 15.0698, 14.2350,
35.5831

■ 48.6386, 47.5939,
92.5959

■ 8.9550, 8.2843,
23.8252

■ 66.1208, 65.1638,
120.2417

■ 4.7687, 4.2774,
14.9930

■ 87.3584, 86.5995,
152.9058

■ 2.1456, 1.8299,
8.6679

112.7165,
112.2853, 191.0069

■ 0.7138, 0.5057,
4.4314

142.5606,
142.6057, 234.9633

■ 0.0000, 0.0000,
1.8649

177.2561,

■ 0.0000, 0.0000,

177.9451, 285.1938

0.4702

217.1682,
218.6879, 342.1167

■ 0.0000, 0.0000,
0.0000

■ 23.4784, 22.5139,
50.6851

■ 23.4784, 22.5139,
50.6851

■ 19.5350, 17.8146,
49.9863

■ 28.2060, 28.0388,
51.5028

■ 16.3298, 13.8976,
49.3992

■ 33.7556, 34.4244,
52.4428

■ 13.8157, 10.7196,
48.9183

■ 40.1653, 41.7071,
53.5107

■ 11.9387, 8.2317,
48.5370

■ 47.4700, 49.9201,
54.7109

■ 10.6361, 6.3783,
48.2479

■ 55.7028, 59.0950,
56.0480

■ 9.8218, 5.1200,
48.0479

■ 64.8950, 69.2620,
57.5259

■ 75.0765, 80.4498,
59.1488

■ 83.4990, 91.2545,
60.7904

■ 86.0772, 96.4109,
61.6498

Harmonies

Analogous

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



19.6754, 22.5139, 50.9894



23.4784, 22.5139, 50.6851



27.1052, 22.5139, 42.1495

Triad

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



23.4784, 22.5139, 50.6851



26.8968, 22.5139, 12.3190



15.0549, 22.5139, 19.7814

Complementary

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



23.4784, 22.5139, 50.6851



38.4171, 41.3674, 21.2903

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.



16.5554, 22.5139, 12.6450



23.4784, 22.5139, 50.6851



23.2200, 22.5139, 9.2836

Square

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



23.4784, 22.5139, 50.6851



29.2328, 22.5139, 19.1824



19.4458, 22.5139, 9.3819



15.1066, 22.5139, 30.7515

Rectangle

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



23.4784, 22.5139, 50.6851



28.8037, 22.5139, 34.0695



19.4458, 22.5139, 9.3819



15.3860, 22.5139, 16.9362

Sweetspot

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



23.4792, 22.5147, 50.6856



70.6172, 73.1262, 96.6191



32.0677, 42.3724, 45.2844



14.8494, 15.3442, 20.7216



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

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



23.4792, 22.5147, 50.6856



35.8083, 32.7732, 90.6648



24.6295, 20.2504, 50.1879



9.1749, 9.5422, 12.0305



6.7319, 3.5755, 32.7282



0.3120, 0.2367, 1.2981

Inverse Universe

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



30.4302, 23.8392, 23.4204



50.4138, 36.2105, 33.2283



36.7325, 45.2944, 22.1371



9.6101, 9.5684, 10.3360



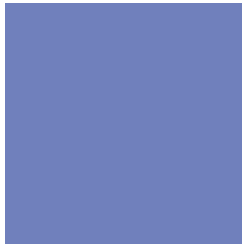
14.3987, 7.3906, 2.1273



0.5884, 0.2993, 0.2117

Previews

White Background



This preview shows how the XYZ color 23.4784, 22.5139, 50.6851 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 23.4784, 22.5139, 50.6851 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

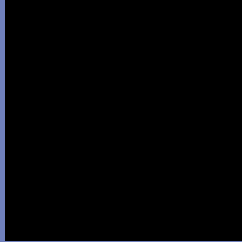
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 23.4784, 22.5139, 50.6851

Background



This preview shows how black text looks on a background with the XYZ color 23.4784, 22.5139, 50.6851.



This preview shows how white text looks on a background with the XYZ color 23.4784, 22.5139,

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

23.4784, 22.5139, 50.6851

Protanopia

23.3518, 22.4487, 50.6792

Deuteranopia

23.1117, 22.5195, 50.7055



Tritanopia

19.5501, 22.5397, 30.9240

Trichromacy



Original Color

23.4784, 22.5139, 50.6851

Protanomaly

23.3518, 22.4487, 50.6792

Deuteranomaly

23.2340, 22.5826, 50.7113

Tritanomaly

20.8530, 22.4479, 37.4162

Monochromacy



Original Color

23.4784, 22.5139, 50.6851

Achromatopsia

21.2178, 22.3228, 24.3095

Achromatomaly

21.6045, 22.1458, 32.4140

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.4784, 22.5139, 50.6851 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(112, 128, 188)` looks like.

```
.text, #text, p{  
    color:rgb(112, 128, 188)  
}
```

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(112, 128, 188) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 128, 188) }
```

Border

The CSS property to change the border of an element to XYZ 23.4784, 22.5139, 50.6851 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(112, 128, 188) }
```


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

```
.border{ border-color:rgb(112, 128, 188) }
```

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

Here you see how a box with a 4 pixel rgb(112, 128, 188) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 128, 188); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 128, 188);  
box-shadow:4px 4px 4px 4px rgb(112, 128,  
188) }
```

Background

The CSS property to change the background color of an element to XYZ 23.4784, 22.5139, 50.6851 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 128, 188) }
```

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

```
.background{ background-color: rgb(112,  
128, 188) }
```

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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