

Converting Colors

XYZ(23.4137, 22.8901, 49.9086)

Have a look what the booklet for
XYZ(23.4137, 22.8901, 49.9086)
contains.

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Color

**XYZ(23.4011, 22.8899,
49.6392)**

Conversions

Conversions Part 1

Format	Color
Hex	6F82BA
RGB	111, 130, 186
RGB Percent	44%, 51%, 73%
CMY	0.5647, 0.4902, 0.2706
CMYK	0.40, 0.30, 0.00, 0.27
HSL	225°, 35%, 58%
HSV	225°, 40%, 73%
XYZ	23.4011, 22.8899, 49.6392
YIQ	130.7030, -29.3000, 13.3880

Conversions

Conversions Part 2

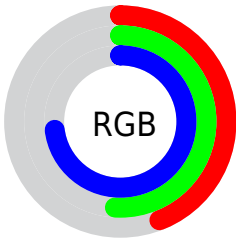
Format	Color
RYB	111, 126, 186
Decimal	7307962
CIELab	54.96, 7.52, -31.59
CIELCh	55, 32.469, 283.395
Yxy	22.8899, 0.2439, 0.2386
Android (android.graphics.Color)	4285498042 (0xFF6F82BA)
YUV	130.7030, 27.2614, -17.2795
Hunter-Lab	47.8434, 3.5818, -28.0251

Details

The XYZ color **23.4011, 22.8899, 49.6392** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **36.9384, 39.2252, 20.6643**, and the grayscale version is **21.3817, 22.4952, 24.4972**.

A 20% lighter version of the original color is **48.4775, 48.2771, 90.7678**, and **8.9210, 8.4779, 23.3565** is the 20% darker color. If you saturate the color by 10%, you get **19.5756, 18.3584, 48.9666**, and if you desaturate by 10%, it is **27.9649, 28.1730, 50.4188**.

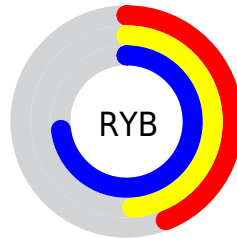
Distribution



Red (44%)

Green (51%)

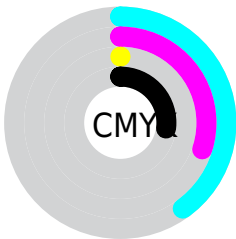
Blue (73%)



Red (44%)

Yellow (49%)

Blue (73%)

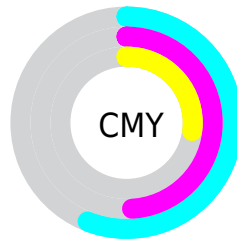


Cyan (40%)

Magenta (30%)

Yellow (0%)

Black (27%)



Cyan (56%)

Magenta (49%)

Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.4011, 22.8899, 49.6392 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 23.4011, 22.8899, 49.6392 by changing the saturation by 10% instead.

■ 23.4011, 22.8899,
49.6392

■ 23.4011, 22.8899,
49.6392

262.2755,
267.1590, 401.9479

■ 15.0123, 14.5122,
34.7576

■ 48.5129, 48.2125,
91.0309

■ 8.9144, 8.4778,
23.1942

■ 65.9666, 65.9262,
118.3780

■ 4.7420, 4.4022,
14.5303

■ 87.1727, 87.5207,
150.7175

■ 2.1299, 1.9010,
8.3475

■ 112.4964,
113.3804, 188.4678

■ 0.7054, 0.5490,
4.2271

142.3032,
143.8897, 232.0474

■ 0.0000, 0.0000,
1.7508

176.9585,

■ 0.0000, 0.0000,

179.4329, 281.8749

0.3952

216.8274,
220.3946, 338.3689

■ 0.0000, 0.0000,
0.0000

■ 23.4011, 22.8899,
49.6392

■ 23.4011, 22.8899,
49.6392

■ 19.5756, 18.3584,
48.9666

■ 27.9649, 28.1730,
50.4188

■ 16.4455, 14.5404,
48.3946

■ 33.3017, 34.2383,
51.3083

■ 13.9672, 11.3982,
47.9187

■ 39.4471, 41.1177,
52.3122

■ 12.0907, 8.8890,
47.5333

■ 46.4335, 48.8404,
53.4346

■ 10.7579, 6.9646,
47.2321

■ 54.2915, 57.4342,
54.6793

■ 9.8843, 5.5877,
47.0124

■ 63.0503, 66.9258,
56.0497

■ 72.7375, 77.3403,
57.5493

■ 81.5903, 87.7797,
59.0977

■ 85.8618, 96.3228,
60.5216

Harmonies

Analogous

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



19.8356, 22.8899, 49.1852



23.4011, 22.8899, 49.6392



26.8720, 22.8899, 42.3013

Triad

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



23.4011, 22.8899, 49.6392



27.1891, 22.8899, 13.6250



15.7690, 22.8899, 19.6718

Complementary

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



23.4011, 22.8899, 49.6392



36.9384, 39.2252, 20.6643

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.



17.3347, 22.8899, 13.1062



23.4011, 22.8899, 49.6392



23.7969, 22.8899, 10.3336

Square

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



23.4011, 22.8899, 49.6392



29.2164, 22.8899, 20.6031



20.1902, 22.8899, 10.1745



15.6880, 22.8899, 29.8086

Rectangle

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



23.4011, 22.8899, 49.6392



28.5579, 22.8899, 34.9078



20.1902, 22.8899, 10.1745



16.1305, 22.8899, 17.0510

Sweetspot

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



23.4019, 22.8908, 49.6397



69.2937, 72.0714, 94.4604



30.9981, 41.2511, 42.4056



14.9279, 15.5011, 20.7478



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.



23.4019, 22.8908, 49.6397



36.4568, 34.4441, 88.9283



23.5257, 19.5431, 48.9871



8.7011, 9.0794, 11.3733



6.7016, 3.8628, 31.6455



0.2873, 0.2383, 1.1326

Inverse Universe

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



29.9641, 23.4206, 24.0612



50.1131, 36.2165, 35.5477



36.6839, 44.6459, 21.7240



9.0955, 9.0486, 9.8501



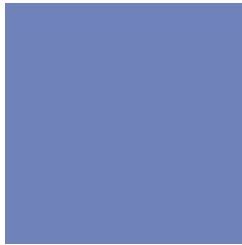
13.9963, 7.1723, 2.6015



0.5192, 0.2632, 0.2275

Previews

White Background



This preview shows how the XYZ color 23.4011, 22.8899, 49.6392 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 23.4011, 22.8899, 49.6392 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

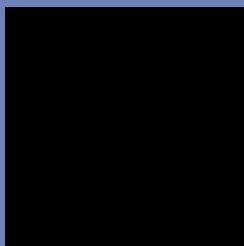
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

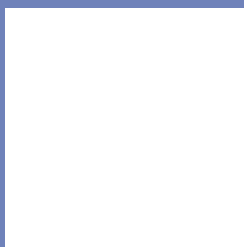
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 23.4011, 22.8899, 49.6392

Background



This preview shows how black text looks on a background with the XYZ color 23.4011, 22.8899, 49.6392.



This preview shows how white text looks on a background with the XYZ color 23.4011, 22.8899,

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

23.4011, 22.8899, 49.6392

Protanopia

23.5466, 22.7807, 49.0550

Deuteranopia

23.4011, 22.8899, 49.6392



Tritanopia

19.6578, 22.7961, 31.3810

Trichromacy



Original Color

23.4011, 22.8899, 49.6392

Protanomaly

23.4173, 22.7140, 49.0490

Deuteranomaly

23.4011, 22.8899, 49.6392

Tritanomaly

20.8724, 22.6621, 37.4565

Monochromacy



Original Color

23.4011, 22.8899, 49.6392

Achromatopsia

21.5731, 22.6966, 24.7166

Achromatomaly

22.0144, 22.7521, 32.5095

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.4011, 22.8899, 49.6392 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(111, 130, 186)` looks like.

```
.text, #text, p{  
    color:rgb(111, 130, 186)  
}
```

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(111, 130, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(111, 130, 186) }
```

Border

The CSS property to change the border of an element to XYZ 23.4011, 22.8899, 49.6392 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(111, 130, 186) }
```


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

```
.border{ border-color:rgb(111, 130, 186) }
```

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

Here you see how a box with a 4 pixel `rgb(111, 130, 186)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(111, 130, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(111, 130, 186);  
box-shadow:4px 4px 4px 4px rgb(111, 130,  
186) }
```

Background

The CSS property to change the background color of an element to XYZ 23.4011, 22.8899, 49.6392 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(111, 130, 186) }
```

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

```
.background{ background-color: rgb(111,  
130, 186) }
```

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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