

Converting Colors

XYZ(23.5651, 22.6556, 46.3110)

Have a look what the booklet for
XYZ(23.5651, 22.6556, 46.3110)
contains.

XYZ(23.5651, 22.6556, 46.3110)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(23.5651, 22.6556,
46.3110)**

Conversions

Conversions Part 1

Format	Color
Hex	7780B4
RGB	119, 128, 180
RGB Percent	47%, 50%, 71%
CMY	0.5333, 0.4980, 0.2941
CMYK	0.34, 0.29, 0.00, 0.29
HSL	231°, 29%, 59%
HSV	231°, 34%, 71%
XYZ	23.5651, 22.6556, 46.3110
YIQ	131.2370, -22.0560, 14.2640

Conversions

Conversions Part 2

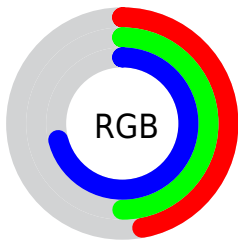
Format	Color
R_{YB}	119, 127, 180
Decimal	7831732
CIE _{Lab}	54.72, 9.30, -28.48
CIE _{LCh}	55, 29.964, 288.081
Yxy	22.6556, 0.2547, 0.2448
Android (android.graphics.Color)	4286021812 (0xFF7780B4)
YUV	131.2370, 24.0402, -10.7318
Hunter-Lab	47.5979, 5.0767, -24.3685

Details

The XYZ color **23.5651, 22.6556, 46.3110** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **36.7154, 40.1612, 23.2702**, and the grayscale version is **21.5811, 22.7050, 24.7257**.

A 20% lighter version of the original color is **48.8978, 47.9881, 86.0423**, and **9.0106, 8.3532, 21.2161** is the 20% darker color. If you saturate the color by 10%, you get **19.4725, 17.7964, 45.5892**, and if you desaturate by 10%, it is **28.4298, 28.3631, 47.1567**.

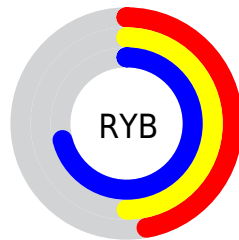
Distribution



Red (47%)

Green (50%)

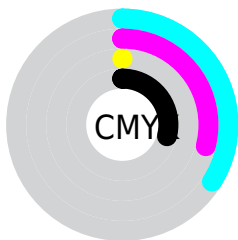
Blue (71%)



Red (47%)

Yellow (50%)

Blue (71%)

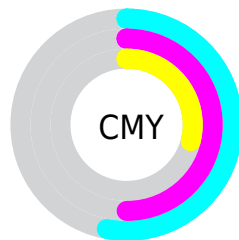


Cyan (34%)

Magenta (29%)

Yellow (0%)

Black (29%)



Cyan (53%)

Magenta (50%)

Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.5651, 22.6556, 46.3110 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 23.5651, 22.6556, 46.3110 by changing the saturation by 10% instead.

■ 23.5651, 22.6556,
46.3110

■ 23.5651, 22.6556,
46.3110

263.0958,
265.9511, 388.3714

■ 15.1343, 14.3394,
32.1409

■ 48.7794, 47.8272,
86.0234

■ 9.0006, 8.3571,
21.2034

■ 66.2937, 65.4514,
112.4028

■ 4.7987, 4.3243,
13.0801

■ 87.5665, 86.9471,
143.6890

■ 2.1632, 1.8566,
7.3523

112.9631,
112.6986, 180.3006

■ 0.7232, 0.5221,
3.6016

142.8490,
143.0904, 222.6561

■ 0.0000, 0.0000,
1.4095

177.5896,

■ 0.0000, 0.0000,

178.5068, 271.1740

0.1491

217.5500,
219.3322, 326.2729

■ 0.0000, 0.0000,
0.0000

■ 23.5651, 22.6556,
46.3110

■ 23.5651, 22.6556,
46.3110

■ 19.4725, 17.7964,
45.5892

■ 28.4298, 28.3631,
47.1567

■ 16.1096, 13.7421,
44.9839

■ 34.1014, 34.9542,
48.1300

■ 13.4335, 10.4493,
44.4894

■ 40.6152, 42.4655,
49.2365

■ 11.3957, 7.8697,
44.0988

■ 48.0040, 50.9305,
50.4809

■ 9.9412, 5.9490,
43.8048

■ 56.2987, 60.3813,
51.8680

■ 9.0053, 4.6245,
43.5984

■ 65.5285, 70.8484,
53.4018

■ 8.6202, 4.0592,
43.5096

■ 75.7217, 82.3608,
55.0867

■ 83.8991, 93.3970,
56.7859

■ 85.2383, 96.0753,
57.2323

Harmonies

Analogous

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



20.2483, 22.6556, 47.0852



23.5651, 22.6556, 46.3110



26.6128, 22.6556, 38.9229

Triad

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



23.5651, 22.6556, 46.3110



26.0609, 22.6556, 13.4591



15.8984, 22.6556, 21.0992

Complementary

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



23.5651, 22.6556, 46.3110



36.7154, 40.1612, 23.2702

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.



17.1454, 22.6556, 14.4033



23.5651, 22.6556, 46.3110



22.8719, 22.6556, 10.8090

Square

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



23.5651, 22.6556, 46.3110



28.1521, 22.6556, 19.4432



19.6221, 22.6556, 11.1035



16.0432, 22.6556, 30.7540

Rectangle

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



23.5651, 22.6556, 46.3110



27.9785, 22.6556, 32.0994



19.6221, 22.6556, 11.1035



16.1630, 22.6556, 18.4826

Sweetspot

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



23.5659, 22.6565, 46.3115



66.0409, 68.2429, 87.9861



31.2660, 39.4995, 44.4299



13.9301, 14.3528, 18.9584



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



23.5659, 22.6565, 46.3115



36.8145, 34.0676, 82.9300



25.7100, 22.0955, 46.0903



8.1398, 8.4259, 10.7037



6.0478, 2.8960, 30.3772



0.2218, 0.1540, 0.9663

Inverse Universe

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



29.3161, 24.4561, 23.5984



48.9943, 38.1771, 34.7536



33.8803, 41.3101, 23.6414



8.5458, 8.5250, 9.1065



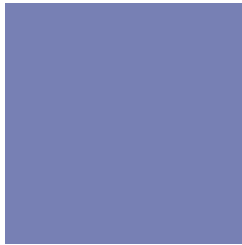
13.2873, 6.8325, 1.4070



0.4340, 0.2213, 0.1279

Previews

White Background



This preview shows how the XYZ color 23.5651, 22.6556, 46.3110 looks on a white background.

Color Contrast Check

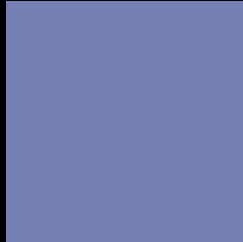
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.5651, 22.6556, 46.3110 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

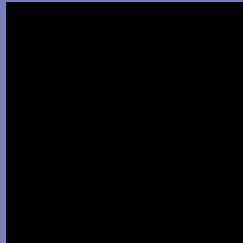
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 23.5651, 22.6556, 46.3110

Background



This preview shows how black text looks on a background with the XYZ color 23.5651, 22.6556, 46.3110.



This preview shows how white text looks on a background with the XYZ color 23.5651, 22.6556,

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

23.5651, 22.6556, 46.3110

Protanopia

23.2610, 22.6815, 46.8681

Deuteranopia

23.1587, 22.6406, 46.3295



Tritanopia

20.3304, 22.7518, 30.1081

Trichromacy



Original Color

23.5651, 22.6556, 46.3110

Protanomaly

23.3932, 22.7497, 46.8742

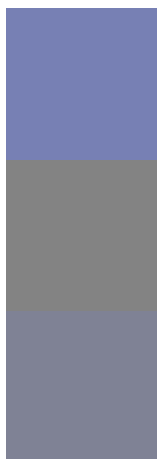
Deuteranomaly

23.2909, 22.7088, 46.3357

Tritanomaly

21.3622, 22.5486, 35.5741

Monochromacy



Original Color

23.5651, 22.6556, 46.3110

Achromatopsia

21.5731, 22.6966, 24.7166

Achromatomaly

22.1598, 22.6472, 31.6372

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.5651, 22.6556, 46.3110 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(119, 128, 180)` looks like.

```
.text, #text, p{  
    color:rgb(119, 128, 180)  
}
```

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(119, 128, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 128, 180) }
```

Border

The CSS property to change the border of an element to XYZ 23.5651, 22.6556, 46.3110 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(119, 128, 180) }
```


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

```
.border{ border-color:rgb(119, 128, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(119, 128, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 128, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 128, 180);  
box-shadow:4px 4px 4px 4px rgb(119, 128,  
180) }
```

Background

The CSS property to change the background color of an element to XYZ 23.5651, 22.6556, 46.3110 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 128, 180) }
```

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

```
.background{ background-color: rgb(119,  
128, 180) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor