

Converting Colors

XYZ(22.8422, 23.0967, 46.8792)

Have a look what the booklet for
XYZ(22.8422, 23.0967, 46.8792)
contains.

XYZ(22.8984, 23.0899, 46.9660)	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(22.8984, 23.0899,
46.9660)**

Conversions

Conversions Part 1

Format	Color
Hex	6D84B5
RGB	109, 132, 181
RGB Percent	43%, 52%, 71%
CMY	0.5725, 0.4823, 0.2902
CMYK	0.40, 0.27, 0.00, 0.29
HSL	221°, 33%, 57%
HSV	221°, 40%, 71%
XYZ	22.8984, 23.0899, 46.9660
YIQ	130.7090, -29.4370, 10.3630

Conversions

Conversions Part 2

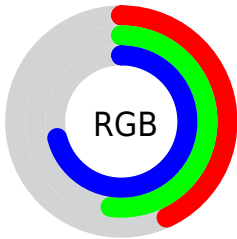
Format	Color
R_{YB}	109, 126, 181
Decimal	7177397
CIE _{Lab}	55.16, 4.37, -28.42
CIE _{LCh}	55, 28.751, 278.750
Yxy	23.0899, 0.2463, 0.2484
Android (android.graphics.Color)	4285367477 (0xFF6D84B5)
YUV	130.7090, 24.7935, -19.0388
Hunter-Lab	48.0520, 0.9704, -24.3137

Details

The XYZ color **22.8984, 23.0899, 46.9660** is a dark color, and the websafe version is hex **6699CC**. A complement of this color would be **34.0439, 35.3823, 19.5040**, and the grayscale version is **21.3923, 22.5064, 24.5094**.

A 20% lighter version of the original color is **47.7393, 48.5989, 86.9852**, and **8.6769, 8.6149, 21.6276** is the 20% darker color. If you saturate the color by 10%, you get **19.3239, 18.9125, 46.3485**, and if you desaturate by 10%, it is **27.1302, 27.8999, 47.6718**.

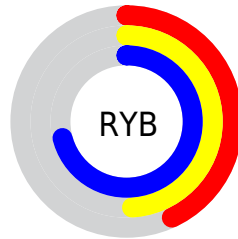
Distribution



Red (43%)

Green (52%)

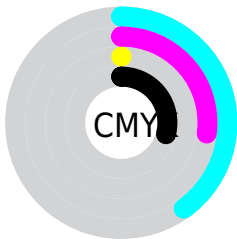
Blue (71%)



Red (43%)

Yellow (49%)

Blue (71%)

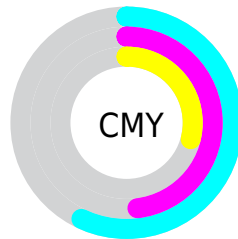


Cyan (40%)

Magenta (27%)

Yellow (0%)

Black (29%)



Cyan (57%)

Magenta (48%)

Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.8984, 23.0899, 46.9660 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 22.8984, 23.0899, 46.9660 by changing the saturation by 10% instead.

■ 22.8984, 23.0899,
46.9660

■ 22.8984, 23.0899,
46.9660

259.7478,
268.1864, 391.0686

■ 14.6388, 14.6599,
32.6546

■ 47.6943, 48.5409,
87.0123

■ 8.6509, 8.5810,
21.5930

■ 64.9614, 66.3307,
113.5843

■ 4.5695, 4.4689,
13.3627

■ 85.9616, 88.0092,
145.0803

■ 2.0291, 1.9392,
7.5451

■ 111.0603,
113.9608, 181.9188

■ 0.6502, 0.5718,
3.7217

140.6230,
144.5700, 224.5184

■ 0.0000, 0.0000,
1.4740

175.0149,

■ 0.0000, 0.0000,

180.2210, 273.2975

0.1984

214.6014,
221.2984, 328.6747

■ 0.0000, 0.0000,
0.0000

■ 22.8984, 23.0899,
46.9660

■ 22.8984, 23.0899,
46.9660

■ 19.3239, 18.9125,
46.3485

■ 27.1302, 27.8999,
47.6718

■ 16.3692, 15.3369,
45.8141

■ 32.0494, 33.3662,
48.4676

■ 13.9964, 12.3331,
45.3593

■ 37.6869, 39.5146,
49.3573

■ 12.1620, 9.8675,
44.9801

■ 44.0711, 46.3684,
50.3437

■ 10.8155, 7.9017,
44.6716

■ 51.2289, 53.9499,
51.4298

■ 9.8634, 6.3744,
44.4270

■ 59.1855, 62.2804,
52.6184

■ 9.8445, 6.3442,
44.4222

■ 67.9652, 71.3801,
53.9121

■ 77.5912, 81.2687,
55.3134

■ 81.5909, 88.6169,
56.5210

Harmonies

Analogous

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



19.7848, 23.0899, 45.4714



22.8984, 23.0899, 46.9660



26.0398, 23.0899, 41.5962

Triad

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



22.8984, 23.0899, 46.9660



27.1193, 23.0899, 15.6222



16.6827, 23.0899, 19.2641

Complementary

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



22.8984, 23.0899, 46.9660



34.0439, 35.3823, 19.5040

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.



18.3059, 23.0899, 13.7233



22.8984, 23.0899, 46.9660



24.2597, 23.0899, 12.0049

Square

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



22.8984, 23.0899, 46.9660



28.6278, 23.0899, 22.5473



21.0209, 23.0899, 11.4066



16.3947, 23.0899, 27.9263

Rectangle

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



22.8984, 23.0899, 46.9660



27.6558, 23.0899, 35.4691



21.0209, 23.0899, 11.4066



17.0821, 23.0899, 17.0419

Sweetspot

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



22.8992, 23.0908, 46.9665



64.9287, 67.9869, 87.9953



28.9170, 38.7339, 37.8513



13.7485, 14.3847, 18.9742



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.



22.8992, 23.0908, 46.9665



35.1833, 34.5535, 83.1097



21.6951, 18.3393, 46.1129



8.2562, 8.6586, 10.7425



6.8429, 4.4861, 30.6422



0.2693, 0.2492, 0.9821

Inverse Universe

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



28.6902, 22.4278, 24.6475



47.2560, 33.9786, 36.3993



35.6470, 42.5874, 20.8102



8.6045, 8.5485, 9.4158



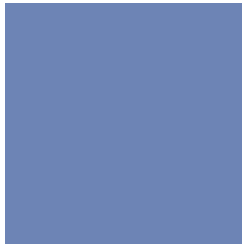
13.6886, 6.9930, 3.5202



0.4580, 0.2309, 0.2544

Previews

White Background



This preview shows how the XYZ color 22.8984, 23.0899, 46.9660 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 22.8984, 23.0899, 46.9660 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

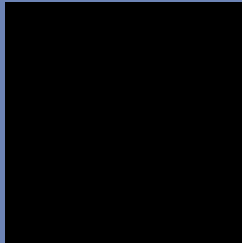
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

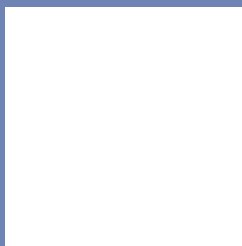
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 22.8984, 23.0899, 46.9660

Background



This preview shows how black text looks on a background with the XYZ color 22.8984, 23.0899, 46.9660.



This preview shows how white text looks on a background with the XYZ color 22.8984, 23.0899,

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

22.8984, 23.0899, 46.9660

Protanopia

23.4554, 23.0018, 45.8514

Deuteranopia

23.5256, 23.0145, 46.9184



Tritanopia

19.8801, 23.1136, 31.8473

Trichromacy



Original Color

22.8984, 23.0899, 46.9660

Protanomaly

23.2939, 23.1053, 46.4121

Deuteranomaly

23.2668, 23.0795, 46.9446

Tritanomaly

20.9461, 23.1246, 37.0777

Monochromacy



Original Color

22.8984, 23.0899, 46.9660

Achromatopsia

21.5731, 22.6966, 24.7166

Achromatomaly

21.7095, 22.6135, 31.6544

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.8984, 23.0899, 46.9660 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(109, 132, 181)` looks like.

```
.text, #text, p{  
    color:rgb(109, 132, 181)  
}
```

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(109, 132, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 132, 181) }
```

Border

The CSS property to change the border of an element to XYZ 22.8984, 23.0899, 46.9660 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(109, 132, 181) }
```


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

```
.border{ border-color:rgb(109, 132, 181) }
```

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

Here you see how a box with a 4 pixel `rgb(109, 132, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(109, 132, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(109, 132, 181);  
box-shadow:4px 4px 4px 4px rgb(109, 132,  
181) }
```

Background

The CSS property to change the background color of an element to XYZ 22.8984, 23.0899, 46.9660 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 132, 181) }
```

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

```
.background{ background-color: rgb(109,  
132, 181) }
```

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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