

Converting Colors

XYZ(22.8652, 22.8147, 46.6817)

Have a look what the booklet for
XYZ(22.8652, 22.8147, 46.6817)
contains.

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Color

**XYZ(23.0123, 22.9483,
46.9326)**

Conversions

Conversions Part 1

Format	Color
Hex	6F83B5
RGB	111, 131, 181
RGB Percent	44%, 51%, 71%
CMY	0.5647, 0.4863, 0.2902
CMYK	0.39, 0.28, 0.00, 0.29
HSL	223°, 32%, 57%
HSV	223°, 39%, 71%
XYZ	23.0123, 22.9483, 46.9326
YIQ	130.7200, -27.9700, 11.3100

Conversions

Conversions Part 2

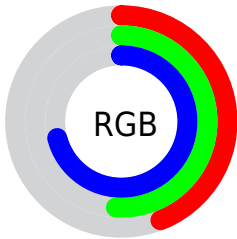
Format	Color
R_{YB}	111, 127, 181
Decimal	7308213
CIE Lab	55.02, 5.52, -28.63
CIE LCh	55, 29.158, 280.906
Yxy	22.9483, 0.2477, 0.2470
Android (android.graphics.Color)	4285498293 (0xFF6F83B5)
YUV	130.7200, 24.7880, -17.2944
Hunter-Lab	47.9044, 1.9151, -24.5542

Details

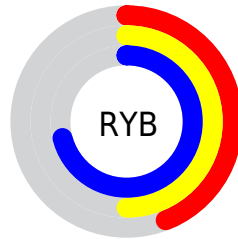
The XYZ color **23.0123, 22.9483, 46.9326** is a dark color, and the websafe version is hex **6699CC**. A complement of this color would be **34.6707, 36.4617, 20.2502**, and the grayscale version is **21.3959, 22.5101, 24.5135**.

A 20% lighter version of the original color is **47.9436, 48.3947, 86.9350**, and **8.7172, 8.5229, 21.6077** is the 20% darker color. If you saturate the color by 10%, you get **19.3321, 18.6326, 46.2940**, and if you desaturate by 10%, it is **27.3723, 27.9370, 47.6661**.

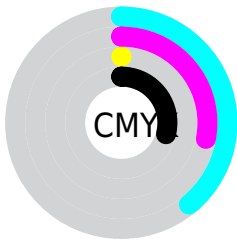
Distribution



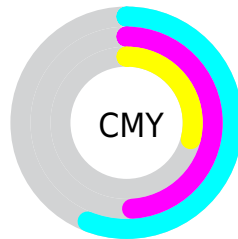
- Red (44%)
- Green (51%)
- Blue (71%)



- Red (44%)
- Yellow (50%)
- Blue (71%)



- Cyan (39%)
- Magenta (28%)
- Yellow (0%)
- Black (29%)



- Cyan (56%)
- Magenta (49%)
- Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.0123, 22.9483, 46.9326 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 23.0123, 22.9483, 46.9326 by changing the saturation by 10% instead.

■ 23.0123, 22.9483,
46.9326

■ 23.0123, 22.9483,
46.9326

260.3223,
267.4593, 390.9314

■ 14.7233, 14.5553,
32.6284

■ 47.8800, 48.3084,
86.9619

■ 8.7105, 8.5079,
21.5732

■ 65.1895, 66.0444,
113.5242

■ 4.6084, 4.4216,
13.3483

■ 86.2365, 87.6634,
145.0095

■ 2.0518, 1.9121,
7.5353

■ 111.3865,
113.5500, 181.8364

■ 0.6628, 0.5556,
3.7156

141.0046,
144.0885, 224.4236

■ 0.0000, 0.0000,
1.4706

175.4564,

■ 0.0000, 0.0000,

179.6633, 273.1894

0.1959

215.1072,
220.6588, 328.5525

■ 0.0000, 0.0000,
0.0000

■ 23.0123, 22.9483,
46.9326

■ 23.0123, 22.9483,
46.9326

■ 19.3321, 18.6326,
46.2940

■ 27.3723, 27.9370,
47.6661

■ 16.2932, 14.9569,
45.7447

■ 32.4428, 33.6245,
48.4967

■ 13.8569, 11.8893,
45.2809

■ 38.2558, 40.0382,
49.4283

■ 11.9791, 9.3935,
44.8982

■ 44.8401, 47.2032,
50.4642

■ 10.6087, 7.4289,
44.5912

■ 52.2234, 55.1436,
51.6077

■ 9.6635, 5.9374,
44.3531

■ 60.4318, 63.8821,
52.8618

■ 9.5559, 5.7669,
44.3259

■ 69.4902, 73.4406,
54.2294

■ 79.1262, 83.6875,
55.6993

■ 82.9514, 91.3378,
56.9744

Harmonies

Analogous

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



19.8357, 22.9483, 45.9355



23.0123, 22.9483, 46.9326



26.1529, 22.9483, 41.0514

Triad

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



23.0123, 22.9483, 46.9326



26.8696, 22.9483, 15.0260



16.4360, 22.9483, 19.5907

Complementary

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



23.0123, 22.9483, 46.9326



34.6707, 36.4617, 20.2502

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.



17.9796, 22.9483, 13.7782



23.0123, 22.9483, 46.9326



23.9147, 22.9483, 11.6297

Square

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



23.0123, 22.9483, 46.9326



28.5222, 22.9483, 21.7594



20.6535, 22.9483, 11.2380



16.2460, 22.9483, 28.5185

Rectangle

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



23.0123, 22.9483, 46.9326



27.7239, 22.9483, 34.7101



20.6535, 22.9483, 11.2380



16.8060, 22.9483, 17.2735

Sweetspot

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



23.0131, 22.9492, 46.9331



64.6870, 67.5034, 87.9147



29.4252, 38.9658, 39.2286



13.6916, 14.2708, 18.9552



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.



23.0131, 22.9492, 46.9331



35.7878, 34.7523, 83.1163



22.4831, 19.0659, 46.2115



8.2332, 8.6125, 10.7348



6.6399, 4.0801, 30.5746



0.2600, 0.2305, 0.9790

Inverse Universe

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



28.8379, 22.8321, 24.3607



47.8077, 35.1434, 36.3941



35.3300, 42.4114, 21.3639



8.5929, 8.5439, 9.3546



13.5861, 6.9520, 2.9807



0.4533, 0.2291, 0.2295

Previews

White Background



This preview shows how the XYZ color 23.0123, 22.9483, 46.9326 looks on a white background.

Color Contrast Check

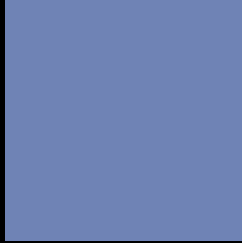
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.0123, 22.9483, 46.9326 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

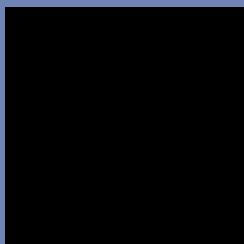
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

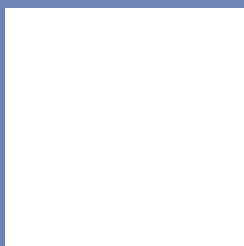
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 23.0123, 22.9483, 46.9326

Background



This preview shows how black text looks on a background with the XYZ color 23.0123, 22.9483, 46.9326.



This preview shows how white text looks on a background with the XYZ color 23.0123, 22.9483,

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

23.0123, 22.9483, 46.9326

Protanopia

23.5570, 23.0425, 46.3861

Deuteranopia

23.3934, 22.9463, 46.9122



Tritanopia

19.8845, 22.9130, 31.3916

Trichromacy



Original Color

23.0123, 22.9483, 46.9326

Protanomaly

23.2911, 22.9054, 46.3736

Deuteranomaly

23.2626, 22.8789, 46.9061

Tritanomaly

20.9530, 22.9302, 36.5793

Monochromacy



Original Color

23.0123, 22.9483, 46.9326

Achromatopsia

21.5731, 22.6966, 24.7166

Achromatomaly

21.8533, 22.6876, 31.6611

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.0123, 22.9483, 46.9326 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, 131, 181)` looks like.

```
.text, #text, p{  
    color:rgb(111, 131, 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(111, 131, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(111, 131, 181) }
```

Border

The CSS property to change the border of an element to XYZ 23.0123, 22.9483, 46.9326 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, 131, 181) }
```


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

```
.border{ border-color:rgb(111, 131, 181) }
```

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

Here you see how a box with a 4 pixel `rgb(111, 131, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(111, 131, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(111, 131, 181);  
box-shadow:4px 4px 4px 4px rgb(111, 131,  
181) }
```

Background

The CSS property to change the background color of an element to XYZ 23.0123, 22.9483, 46.9326 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(111, 131, 181) }
```

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

```
.background{ background-color: rgb(111,  
131, 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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