

Converting Colors

XYZ(23.7781, 24.7863, 46.3478)

Have a look what the booklet for
XYZ(23.7781, 24.7863, 46.3478)
contains.

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Color

**XYZ(23.7807, 24.8111,
46.1835)**

Conversions

Conversions Part 1

Format	Color
Hex	6F8AB3
RGB	111, 138, 179
RGB Percent	44%, 54%, 70%
CMY	0.5647, 0.4588, 0.2980
CMYK	0.38, 0.23, 0.00, 0.30
HSL	216°, 31%, 57%
HSV	216°, 38%, 70%
XYZ	23.7807, 24.8111, 46.1835
YIQ	134.6010, -29.2530, 7.0270

Conversions

Conversions Part 2

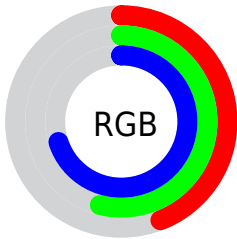
Format	Color
R _Y B	111, 130, 179
Decimal	7310003
CIE Lab	56.89, 0.88, -24.60
CIE LCh	57, 24.612, 272.047
Yxy	24.8111, 0.2509, 0.2618
Android (android.graphics.Color)	4285500083 (0xFF6F8AB3)
YUV	134.6010, 21.8887, -20.6981
Hunter-Lab	49.8107, -1.9491, -20.1050

Details

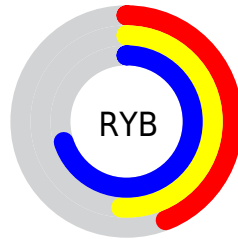
The XYZ color **23.7807, 24.8111, 46.1835** is a dark color, and the websafe version is hex **6699CC**. A complement of this color would be **32.6885, 33.1886, 19.7230**, and the grayscale version is **22.8115, 23.9995, 26.1354**.

A 20% lighter version of the original color is **49.1432, 51.2591, 85.9011**, and **9.0593, 9.4156, 21.0786** is the 20% darker color. If you saturate the color by 10%, you get **20.2779, 20.8202, 45.5982**, and if you desaturate by 10%, it is **27.8904, 29.3443, 46.8423**.

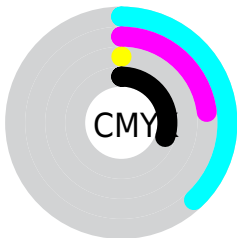
Distribution



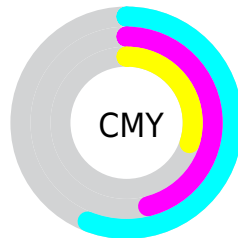
- Red (44%)
- Green (54%)
- Blue (70%)



- Red (44%)
- Yellow (51%)
- Blue (70%)



- Cyan (38%)
- Magenta (23%)
- Yellow (0%)
- Black (30%)



- Cyan (56%)
- Magenta (46%)
- Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.7807, 24.8111, 46.1835 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 23.7807, 24.8111, 46.1835 by changing the saturation by 10% instead.

■ 23.7807, 24.8111,
46.1835

■ 23.7807, 24.8111,
46.1835

264.1710,
276.8959, 387.8449

■ 15.2949, 15.9364,
32.0409

■ 49.1294, 51.3506,
85.8307

■ 9.1143, 9.4791,
21.1277

■ 66.7230, 69.7842,
112.1725

■ 4.8735, 5.0550,
13.0252

■ 88.0831, 92.1728,
143.4177

■ 2.2072, 2.2796,
7.3150

■ 113.5753,
118.9009, 179.9849

■ 0.7465, 0.7629,
3.5784

143.5648,
150.3529, 222.2927

■ 0.0000, 0.0000,
1.3971

178.4171,

■ 0.0000, 0.0000,

186.9131, 270.7596

0.1394

218.4973,
228.9660, 325.8042

■ 0.0000, 0.0000,
0.0000

■ 23.7807, 24.8111,
46.1835

■ 23.7807, 24.8111,
46.1835

■ 20.2779, 20.8202,
45.5982

■ 27.8904, 29.3443,
46.8423

■ 17.3479, 17.3459,
45.0821

■ 32.6336, 34.4385,
47.5756

■ 14.9568, 14.3643,
44.6326

■ 38.0383, 40.1145,
48.3863

■ 13.0659, 11.8481,
44.2466

■ 44.1301, 46.3916,
49.2769

■ 11.6301, 9.7664,
43.9204

■ 50.9330, 53.2877,
50.2494

■ 10.5806, 8.0755,
43.6494

■ 58.4700, 60.8202,
51.3061

■ 10.3947, 7.7706,
43.6003

■ 66.7629, 69.0058,
52.4490

■ 75.8326, 77.8602,
53.6800

■ 79.1241, 84.0095,
54.6935

Harmonies

Analogous

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



21.0786, 24.8111, 43.6002



23.7807, 24.8111, 46.1835



26.6468, 24.8111, 42.8249

Triad

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



23.7807, 24.8111, 46.1835



28.5984, 24.8111, 19.4382



19.0178, 24.8111, 20.2373

Complementary

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



23.7807, 24.8111, 46.1835



32.6885, 33.1886, 19.7230

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.



20.7621, 24.8111, 15.6716



23.7807, 24.8111, 46.1835



26.2765, 24.8111, 15.2805

Square

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



23.7807, 24.8111, 46.1835



29.5655, 24.8111, 26.4521



23.3848, 24.8111, 14.0553



18.4661, 24.8111, 27.5859

Rectangle

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



23.7807, 24.8111, 46.1835



28.2276, 24.8111, 37.9993



23.3848, 24.8111, 14.0553



19.4767, 24.8111, 18.3822

Sweetspot

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



23.7815, 24.8121, 46.1841



64.8973, 68.4765, 86.1780



28.3275, 37.8808, 35.4394



14.0876, 14.8666, 19.0493



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.



23.7815, 24.8121, 46.1841



37.0205, 38.1033, 81.7847



21.2660, 18.4620, 45.0910



8.3096, 8.7654, 10.7603



7.4052, 5.6108, 30.8297



0.2908, 0.2922, 0.9893

Inverse Universe

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



28.8630, 22.7884, 26.9230



47.7066, 34.7249, 41.0830



36.0471, 42.1818, 21.2818



8.6315, 8.5593, 9.5578



13.9725, 7.1065, 5.0150



0.4688, 0.2353, 0.3115

Previews

White Background



This preview shows how the XYZ color 23.7807, 24.8111, 46.1835 looks on a white background.

Color Contrast Check

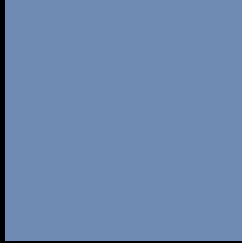
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.7807, 24.8111, 46.1835 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

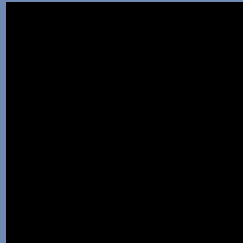
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

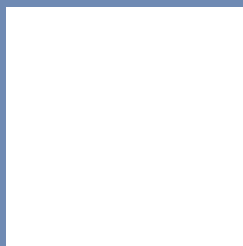
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 23.7807, 24.8111, 46.1835

Background



This preview shows how black text looks on a background with the XYZ color 23.7807, 24.8111, 46.1835.

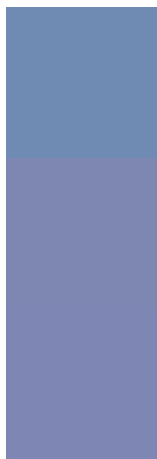


This preview shows how white text looks on a background with the XYZ color 23.7807, 24.8111,

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

23.7807, 24.8111, 46.1835

Protanopia

25.0572, 24.8622, 45.0732

Deuteranopia

25.3675, 24.7811, 46.6262



Tritanopia

21.4809, 24.9813, 34.2616

Trichromacy



Original Color

23.7807, 24.8111, 46.1835

Protanomaly

24.5858, 24.8157, 45.6136

Deuteranomaly

24.7873, 24.6882, 46.6389

Tritanomaly

22.1991, 24.8199, 38.2710

Monochromacy



Original Color

23.7807, 24.8111, 46.1835

Achromatopsia

23.0288, 24.2281, 26.3844

Achromatomaly

22.9943, 24.2783, 32.7524

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.7807, 24.8111, 46.1835 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, 138, 179)` looks like.

```
.text, #text, p{  
    color:rgb(111, 138, 179)  
}
```

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, 138, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(111, 138, 179) }
```

Border

The CSS property to change the border of an element to XYZ 23.7807, 24.8111, 46.1835 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, 138, 179) }
```


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

```
.border{ border-color:rgb(111, 138, 179) }
```

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

Here you see how a box with a 4 pixel `rgb(111, 138, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(111, 138, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(111, 138, 179);  
box-shadow:4px 4px 4px 4px rgb(111, 138,  
179) }
```

Background

The CSS property to change the background color of an element to XYZ 23.7807, 24.8111, 46.1835 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(111, 138, 179) }
```

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

```
.background{ background-color: rgb(111,  
138, 179) }
```

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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