

Converting Colors

$Y_{xy}(23.3676, 0.2450, 0.2692)$

Have a look what the booklet for
Yxy(23.3676, 0.2450, 0.2692)
contains.

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Color

Yxy(23.4113, 0.2446, 0.2686)

Conversions

Conversions Part 1

Format	Color
Hex	6189AC
RGB	97, 137, 172
RGB Percent	38%, 54%, 67%
CMY	0.6197, 0.4627, 0.3254
CMYK	0.44, 0.20, 0.00, 0.33
HSL	208°, 31%, 53%
HSV	208°, 44%, 67%
XYZ	21.3194, 23.4113, 42.4297
YIQ	129.0300, -35.0750, 2.4050

Conversions

Conversions Part 2

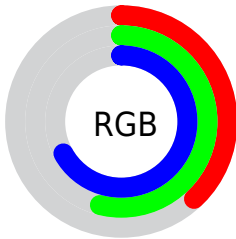
Format	Color
RYB	97, 123, 172
Decimal	6392236
CIELab	55.49, -4.37, -22.82
CIElCh	55, 23.232, 259.170
Yxy	23.4113, 0.2446, 0.2686
Android (android.graphics.Color)	4284582316 (0xFF6189AC)
YUV	129.0300, 21.1842, -28.0903
Hunter-Lab	48.3852, -6.0237, -18.1226

Details

The Yxy color **23.4113, 0.2446, 0.2686** is a dark color, and the websafe version is hex **6699CC**. A complement of this color would be **26.1274, 0.4006, 0.3817**, and the grayscale version is **21.8957, 0.3127, 0.3290**.

A 20% lighter version of the original color is **48.9523, 0.2592, 0.2818**, and **8.7079, 0.2203, 0.2447** is the 20% darker color. If you saturate the color by 10%, you get **20.3710, 0.2296, 0.2517**, and if you desaturate by 10%, it is **26.8278, 0.2603, 0.2845**.

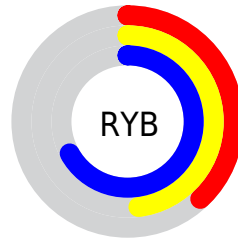
Distribution



Red (38%)

Green (54%)

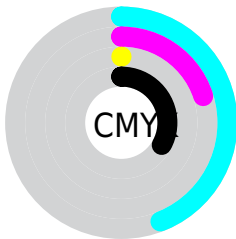
Blue (67%)



Red (38%)

Yellow (48%)

Blue (67%)

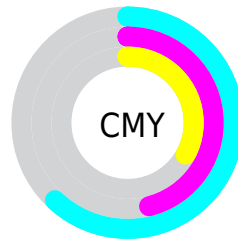


Cyan (44%)

Magenta (20%)

Yellow (0%)

Black (33%)



Cyan (62%)

Magenta (46%)

Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 23.4113, 0.2446, 0.2686 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 Yxy color 23.4113, 0.2446, 0.2686 by changing the saturation by 10% instead.

■ 23.4113, 0.2446,
0.2686

■ 23.4113, 0.2446,
0.2686

269.8305, 0.2816,
0.3020

■ 14.8975, 0.2344,
0.2592

■ 49.0678, 0.2588,
0.2815

■ 8.7475, 0.2207,
0.2464

■ 66.9793, 0.2639,
0.2861

■ 4.5768, 0.2015,
0.2283

■ 88.7921, 0.2681,
0.2899

■ 2.0012, 0.1730,
0.2008

■ 114.8907, 0.2717,
0.2931

■ 0.6082, 0.1178,
0.1520

145.6595, 0.2747,
0.2958

■ 0.0000, 0.0000,
0.0000

181.4828, 0.2773,

0.2981

222.7450, 0.2796,
0.3002

■ 23.4113, 0.2446,
0.2686

■ 23.4113, 0.2446,
0.2686

■ 20.3710, 0.2296,
0.2517

■ 26.8278, 0.2603,
0.2845

■ 17.6873, 0.2157,
0.2340

■ 30.6336, 0.2761,
0.2993

■ 15.3422, 0.2034,
0.2160

■ 34.8443, 0.2919,
0.3128

■ 13.3147, 0.1930,
0.1981

■ 39.4737, 0.3073,
0.3249

■ 11.5800, 0.1849,
0.1807

■ 44.5347, 0.3221,
0.3358

■ 10.5961, 0.1806,
0.1700

■ 50.0400, 0.3361,
0.3454

■ 56.0012, 0.3494,
0.3540

■ 62.4299, 0.3618,
0.3615

■ 69.3369, 0.3735,
0.3680

Harmonies

Analogous

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



23.4113, 0.2374, 0.2906



23.4113, 0.2446, 0.2686



23.4113, 0.2690, 0.2630

Triad

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



23.4113, 0.2446, 0.2686



23.4113, 0.3809, 0.3260



23.4113, 0.3149, 0.3951

Complementary

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



23.4113, 0.2446, 0.2686



26.1274, 0.4006, 0.3817

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.



23.4113, 0.3546, 0.4022



23.4113, 0.2446, 0.2686



23.4113, 0.3944, 0.3592

Square

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



23.4113, 0.2446, 0.2686



23.4113, 0.3478, 0.2953



23.4113, 0.3842, 0.3875



23.4113, 0.2762, 0.3661

Rectangle

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



23.4113, 0.2446, 0.2686



23.4113, 0.2928, 0.2679



23.4113, 0.3842, 0.3875



23.4113, 0.3286, 0.4002

Sweetspot

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



23.4122, 0.2446, 0.2686



63.5224, 0.2925, 0.3133



33.6799, 0.2826, 0.4006



13.4330, 0.2892, 0.3105



86.8899, 0.3127, 0.3290



16.2647, 0.3127, 0.3290

Same Dimension

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



23.4122, 0.2446, 0.2686



37.3145, 0.2306, 0.2529



14.7707, 0.2336, 0.2030



8.4382, 0.2986, 0.3182



7.9950, 0.1810, 0.1717



0.3306, 0.1956, 0.2240

Inverse Universe

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



19.1209, 0.3638, 0.2696



29.4772, 0.3800, 0.2578



37.7349, 0.3784, 0.4298



8.0841, 0.3206, 0.3170



7.1101, 0.4786, 0.2410



0.2087, 0.4189, 0.2082

Previews

White Background



This preview shows how the Yxy color 23.4113, 0.2446, 0.2686 looks on a white background.

Color Contrast Check

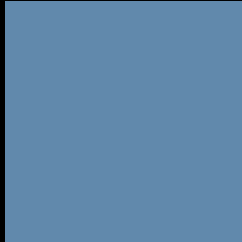
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 23.4113, 0.2446, 0.2686 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

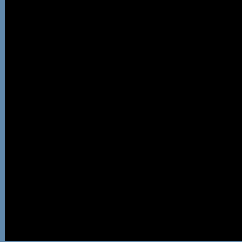
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

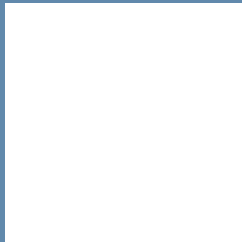
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 23.4113, 0.2446, 0.2686

Background



This preview shows how black text looks on a background with the Yxy color 23.4113, 0.2446, 0.2686.



This preview shows how white text looks on a background with the Yxy color 23.4113, 0.2446, 0.2686.

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

23.4113, 0.2446, 0.2686

Protanopia

23.2707, 0.2686, 0.2677

Deuteranopia

23.1933, 0.2643, 0.2587



Tritanopia

23.5409, 0.2558, 0.3087

Trichromacy



Original Color

23.4113, 0.2446, 0.2686

Protanomaly

23.2170, 0.2599, 0.2683

Deuteranomaly

23.3696, 0.2567, 0.2623

Tritanomaly

23.5865, 0.2518, 0.2947

Monochromacy



Original Color

23.4113, 0.2446, 0.2686

Achromatopsia

21.9526, 0.3127, 0.3290

Achromatomaly

22.3288, 0.2834, 0.3057

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.4113, 0.2446, 0.2686 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(97, 137, 172)` looks like.

```
.text, #text, p{  
    color:rgb(97, 137, 172)  
}
```

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(97, 137, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(97, 137, 172) }
```

Border

The CSS property to change the border of an element to Yxy 23.4113, 0.2446, 0.2686 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(97, 137, 172) }
```

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

```
.border{ border-color:rgb(97, 137, 172) }
```

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

Here you see how a box with a 4 pixel rgb(97, 137, 172) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(97, 137, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(97, 137, 172);  
box-shadow:4px 4px 4px 4px rgb(97, 137,  
172) }
```


Background

The CSS property to change the background color of an element to Yxy 23.4113, 0.2446, 0.2686 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(97, 137, 172) }
```

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

```
.background{ background-color: rgb(97, 137,  
172) }
```

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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