

Converting Colors

$Y_{xy}(23.1442, 0.2687, 0.3882)$

Have a look what the booklet for
Yxy(23.1442, 0.2687, 0.3882)
contains.

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Color

$\text{Yxy}(23.1442, 0.2687, 0.3882)$

Conversions

Conversions Part 1

Format	Color
Hex	469275
RGB	70, 146, 117
RGB Percent	27%, 57%, 46%
CMY	0.7252, 0.4275, 0.5411
CMYK	0.52, 0.00, 0.20, 0.43
HSL	157°, 35%, 42%
HSV	157°, 52%, 57%
XYZ	16.0197, 23.1442, 20.4554
YIQ	119.9700, -35.9870, -25.1310

Conversions

Conversions Part 2

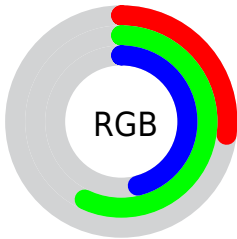
Format	Color
RYB	70, 117, 146
Decimal	4625013
CIELab	55.22, -30.79, 8.25
CIELCh	55, 31.880, 165.005
Yxy	23.1442, 0.2687, 0.3882
Android (android.graphics.Color)	4282815093 (0xFF469275)
YUV	119.9700, -1.4642, -43.8237
Hunter-Lab	48.1084, -24.7507, 8.4662

Details

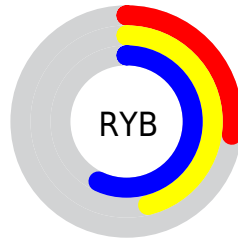
The Yxy color **23.1442, 0.2687, 0.3882** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **11.4016, 0.3989, 0.2790**, and the grayscale version is **18.7918, 0.3127, 0.3290**.

A 20% lighter version of the original color is **48.4582, 0.2788, 0.3740**, and **8.6528, 0.2506, 0.4136** is the 20% darker color. If you saturate the color by 10%, you get **22.5388, 0.2636, 0.4021**, and if you desaturate by 10%, it is **23.8914, 0.2753, 0.3749**.

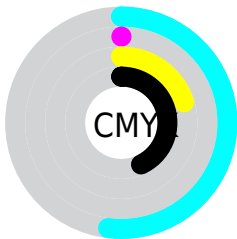
Distribution



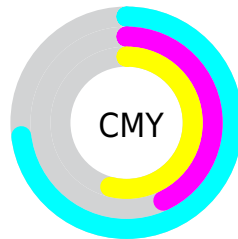
- Red (27%)
- Green (57%)
- Blue (46%)



- Red (27%)
- Yellow (46%)
- Blue (57%)



- Cyan (52%)
- Magenta (0%)
- Yellow (20%)
- Black (43%)




- Cyan (73%)
- Magenta (43%)
- Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 23.1442, 0.2687, 0.3882 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 23.1442, 0.2687, 0.3882 by changing the saturation by 10% instead.


 23.1442, 0.2687,
0.3882


 23.1442, 0.2687,
0.3882

268.4648, 0.2937,
0.3541


 14.7000, 0.2612,
0.3987


 48.6300, 0.2787,
0.3745


 8.6091, 0.2506,
0.4137


 66.4404, 0.2821,
0.3697


 4.4871, 0.2346,
0.4369

 88.1417, 0.2850,
0.3659

 1.9496, 0.2079,
0.4769

 114.1182, 0.2873,
0.3627

 0.5779, 0.0000,
0.9165

 144.7544, 0.2893,
0.3600

 0.0000, 0.0000,
0.0000

180.4346, 0.2910,

0.3577

221.5433, 0.2925,
0.3558

■ 23.1442, 0.2687,
0.3882

■ 23.1442, 0.2687,
0.3882

■ 22.5388, 0.2636,
0.4021

■ 23.8914, 0.2753,
0.3749

■ 22.0624, 0.2602,
0.4165

■ 24.7863, 0.2831,
0.3624

■ 21.7047, 0.2586,
0.4310

■ 25.8382, 0.2918,
0.3509

■ 21.4527, 0.2590,
0.4453

■ 27.0544, 0.3011,
0.3403

■ 21.2984, 0.2602,
0.4567

■ 28.4421, 0.3108,
0.3308

■ 30.0078, 0.3206,
0.3222

■ 31.7578, 0.3304,
0.3146

■ 33.6980, 0.3401,
0.3079

■ 35.8342, 0.3495,
0.3019

Harmonies

Analogous

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



23.1442, 0.3219, 0.4258



23.1442, 0.2687, 0.3882



23.1442, 0.2295, 0.3316

Triad

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



23.1442, 0.2687, 0.3882



23.1442, 0.2474, 0.2404



23.1442, 0.4247, 0.3613

Complementary

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



23.1442, 0.2687, 0.3882



11.4016, 0.3989, 0.2790

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.



23.1442, 0.4020, 0.3175



23.1442, 0.2687, 0.3882



23.1442, 0.2953, 0.2512

Square

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



23.1442, 0.2687, 0.3882



23.1442, 0.2186, 0.2496



23.1442, 0.3527, 0.2786



23.1442, 0.4138, 0.4021

Rectangle

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



23.1442, 0.2687, 0.3882



23.1442, 0.2154, 0.2959



23.1442, 0.3527, 0.2786



23.1442, 0.4208, 0.3466

Sweetspot

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



23.1451, 0.2687, 0.3882



46.7683, 0.2970, 0.3448



23.6614, 0.3329, 0.4760



10.3181, 0.2953, 0.3467



72.9347, 0.3127, 0.3290



11.2805, 0.3127, 0.3290

Same Dimension

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



23.1451, 0.2687, 0.3882



39.6475, 0.2630, 0.4039



21.3099, 0.2438, 0.3115



6.5251, 0.3038, 0.3376



18.7490, 0.2600, 0.4560



0.2352, 0.2424, 0.3925

Inverse Universe

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



11.4016, 0.3989, 0.2790



16.6468, 0.4291, 0.2707



12.1352, 0.4474, 0.3447



5.8498, 0.3226, 0.3206



5.6308, 0.5393, 0.2745



0.0744, 0.4361, 0.2176

Previews

White Background



This preview shows how the Yxy color 23.1442, 0.2687, 0.3882 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 23.1442, 0.2687, 0.3882 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

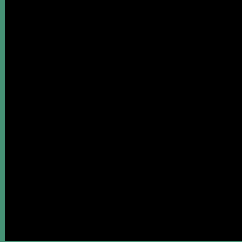
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.1442, 0.2687, 0.3882

Background



This preview shows how black text looks on a background with the Yxy color 23.1442, 0.2687, 0.3882.



This preview shows how white text looks on a background with the Yxy color 23.1442, 0.2687, 0.3882.

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

23.1442, 0.2687, 0.3882

Protanopia

22.8474, 0.3455, 0.3658

Deuteranopia

22.8551, 0.3451, 0.3392



Tritanopia

23.0990, 0.2477, 0.3064

Trichromacy



Original Color

23.1442, 0.2687, 0.3882

Protanomaly

22.3780, 0.3118, 0.3726

Deuteranomaly

22.3993, 0.3115, 0.3549

Tritanomaly

23.1162, 0.2550, 0.3346

Monochromacy



Original Color

23.1442, 0.2687, 0.3882

Achromatopsia

18.7821, 0.3127, 0.3290

Achromatomaly

19.8572, 0.2927, 0.3488

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.1442, 0.2687, 0.3882 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(70, 146, 117)` looks like.

```
.text, #text, p{  
  color:rgb(70, 146, 117)  
}
```

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(70, 146, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(70, 146, 117) }
```

Border

The CSS property to change the border of an element to Yxy 23.1442, 0.2687, 0.3882 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(70, 146, 117) }
```

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

```
.border{ border-color:rgb(70, 146, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(70, 146, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(70, 146, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(70, 146, 117);  
box-shadow:4px 4px 4px 4px rgb(70, 146,  
117) }
```


Background

The CSS property to change the background color of an element to Yxy 23.1442, 0.2687, 0.3882 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(70, 146, 117) }
```

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

```
.background{ background-color: rgb(70, 146,  
117) }
```

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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