

Converting Colors

$Y_{xy}(23.2821, 0.2829, 0.3901)$

Have a look what the booklet for
Yxy(23.2821, 0.2829, 0.3901)
contains.

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Color

$\text{Yxy}(23.4441, 0.2834, 0.3908)$

Conversions

Conversions Part 1

Format	Color
Hex	569172
RGB	86, 145, 114
RGB Percent	34%, 57%, 45%
CMY	0.6627, 0.4314, 0.5530
CMYK	0.41, 0.00, 0.21, 0.43
HSL	148°, 26%, 45%
HSV	148°, 41%, 57%
XYZ	17.0012, 23.4441, 19.5447
YIQ	123.8250, -25.2130, -22.1490

Conversions

Conversions Part 2

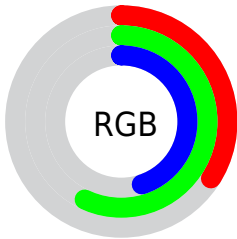
Format	Color
RYB	86, 126, 145
Decimal	5673330
CIELab	55.53, -26.59, 10.50
CIElCh	56, 28.585, 158.445
Yxy	23.4441, 0.2834, 0.3908
Android (android.graphics.Color)	4283863410 (0xFF569172)
YUV	123.8250, -4.8437, -33.1725
Hunter-Lab	48.4191, -22.0576, 9.9605

Details

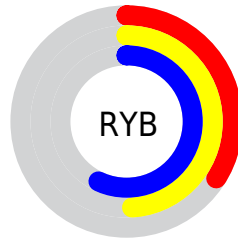
The Yxy color **23.4441, 0.2834, 0.3908** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **13.9640, 0.3589, 0.2751**, and the grayscale version is **20.1190, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.0033, 0.2899, 0.3760**, and **8.7561, 0.2707, 0.4173** is the 20% darker color. If you saturate the color by 10%, you get **22.6586, 0.2780, 0.4094**, and if you desaturate by 10%, it is **24.3857, 0.2898, 0.3734**.

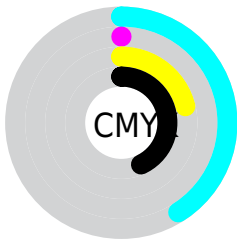
Distribution



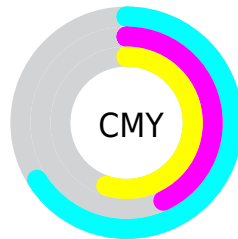
- Red (34%)
- Green (57%)
- Blue (45%)



- Red (34%)
- Yellow (49%)
- Blue (57%)



- Cyan (41%)
- Magenta (0%)
- Yellow (21%)
- Black (43%)




- Cyan (66%)
- Magenta (43%)
- Yellow (55%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.4441, 0.2834, 0.3908 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 23.4441, 0.2834, 0.3908 by changing the saturation by 10% instead.


 23.4441, 0.2834,
0.3908


 23.4441, 0.2834,
0.3908


269.9979, 0.3003,
0.3551


 14.9218, 0.2782,
0.4018


 49.1215, 0.2902,
0.3764


 8.7645, 0.2707,
0.4176


 67.0454, 0.2926,
0.3715

 4.5879, 0.2592,
0.4418

 88.8719, 0.2945,
0.3675

 2.0076, 0.2394,
0.4839

 114.9855, 0.2960,
0.3641

 0.6119, 0.0000,
1.0000

 145.7704, 0.2974,
0.3614

 0.0000, 0.0000,
0.0000

181.6112, 0.2985,

0.3590

222.8922, 0.2995,
0.3569

■ 23.4441, 0.2834,
0.3908

■ 23.4441, 0.2834,
0.3908

■ 22.6586, 0.2780,
0.4094

■ 24.3857, 0.2898,
0.3734

■ 22.0173, 0.2738,
0.4290

■ 25.4886, 0.2969,
0.3574

■ 21.5116, 0.2713,
0.4491

■ 26.7612, 0.3045,
0.3429

■ 21.1303, 0.2706,
0.4692

■ 28.2107, 0.3122,
0.3298


■ 20.8605, 0.2717,
0.4887

■ 29.8437, 0.3200,
0.3182

 20.6776, 0.2739,
0.5060

 31.6665, 0.3276,
0.3080

 33.6851, 0.3350,
0.2989

 35.9051, 0.3422,
0.2910

 38.3322, 0.3491,
0.2841

Harmonies

Analogous

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



23.4441, 0.3325, 0.4180



23.4441, 0.2834, 0.3908



23.4441, 0.2442, 0.3429

Triad

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



23.4441, 0.2834, 0.3908



23.4441, 0.2467, 0.2492



23.4441, 0.4107, 0.3502

Complementary

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



23.4441, 0.2834, 0.3908



13.9640, 0.3589, 0.2751

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.



23.4441, 0.3843, 0.3107



23.4441, 0.2834, 0.3908



23.4441, 0.2868, 0.2551

Square

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



23.4441, 0.2834, 0.3908



23.4441, 0.2247, 0.2623



23.4441, 0.3375, 0.2770



23.4441, 0.4079, 0.3881

Rectangle

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



23.4441, 0.2834, 0.3908



23.4441, 0.2282, 0.3099



23.4441, 0.3375, 0.2770



23.4441, 0.4050, 0.3368

Sweetspot

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



23.4451, 0.2834, 0.3908



47.5454, 0.3033, 0.3450



24.7382, 0.3398, 0.4377



10.5181, 0.3024, 0.3466



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.



23.4451, 0.2834, 0.3908



40.6618, 0.2783, 0.4082



24.2146, 0.2599, 0.3325



6.0693, 0.3056, 0.3408



17.7410, 0.2736, 0.5049



0.1740, 0.2515, 0.4252

Inverse Universe

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



13.9640, 0.3589, 0.2751



21.2294, 0.3745, 0.2631



13.3832, 0.4082, 0.3258



5.4685, 0.3205, 0.3175



5.6191, 0.4799, 0.2418



0.0582, 0.3973, 0.1962

Previews

White Background



This preview shows how the Yxy color 23.4441, 0.2834, 0.3908 looks on a white background.

Color Contrast Check

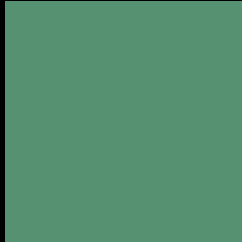
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.4441, 0.2834, 0.3908 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

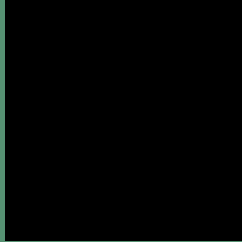
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.4441, 0.2834, 0.3908

Background



This preview shows how black text looks on a background with the Yxy color 23.4441, 0.2834, 0.3908.



This preview shows how white text looks on a background with the Yxy color 23.4441, 0.2834, 0.3908.

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

23.4441, 0.2834, 0.3908

Protanopia

23.1607, 0.3487, 0.3709

Deuteranopia

23.2304, 0.3508, 0.3458



Tritanopia

23.4234, 0.2594, 0.3087

Trichromacy



Original Color

23.4441, 0.2834, 0.3908

Protanomaly

23.0102, 0.3214, 0.3792

Deuteranomaly

22.8466, 0.3227, 0.3598

Tritanomaly

23.4563, 0.2679, 0.3364

Monochromacy



Original Color

23.4441, 0.2834, 0.3908

Achromatopsia

20.1556, 0.3127, 0.3290

Achromatomaly

21.1736, 0.3005, 0.3520

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.4441, 0.2834, 0.3908 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(86, 145, 114)` looks like.

```
.text, #text, p{  
    color:rgb(86, 145, 114)  
}
```

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(86, 145, 114) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 145, 114) }
```

Border

The CSS property to change the border of an element to Yxy 23.4441, 0.2834, 0.3908 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(86, 145, 114) }
```

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

```
.border{ border-color:rgb(86, 145, 114) }
```

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

Here you see how a box with a 4 pixel `rgb(86, 145, 114)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(86, 145, 114); -webkit-box-  
shadow:4px 4px 4px 4px rgb(86, 145, 114);  
box-shadow:4px 4px 4px 4px rgb(86, 145,  
114) }
```


Background

The CSS property to change the background color of an element to Yxy 23.4441, 0.2834, 0.3908 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(86, 145, 114) }
```

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

```
.background{ background-color: rgb(86, 145,  
114) }
```

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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