

Converting Colors

$Y_{xy}(23.2968, 0.2284, 0.2857)$

Have a look what the booklet for
Yxy(23.2968, 0.2284, 0.2857)
contains.

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Color

Yxy(23.4222, 0.2287, 0.2866)

Conversions

Conversions Part 1

Format	Color
Hex	3E8FA6
RGB	62, 143, 166
RGB Percent	24%, 56%, 65%
CMY	0.7570, 0.4392, 0.3490
CMYK	0.63, 0.14, 0.00, 0.35
HSL	193°, 46%, 45%
HSV	193°, 63%, 65%
XYZ	18.6904, 23.4222, 39.6118
YIQ	121.4030, -55.6590, -10.0190

Conversions

Conversions Part 2

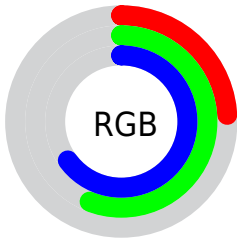
Format	Color
R _{YB}	62, 108, 166
Decimal	4100006
CIE _{Lab}	55.50, -17.45, -19.49
CIE _{LCh}	56, 26.163, 228.158
Y _{xy}	23.4222, 0.2287, 0.2866
Android (android.graphics.Color)	4282290086 (0xFF3E8FA6)
YUV	121.4030, 21.9863, -52.0964
Hunter-Lab	48.3965, -15.7585, -14.6504

Details

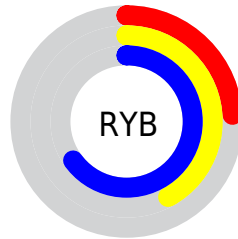
The Yxy color **23.4222, 0.2287, 0.2866** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **14.9462, 0.4818, 0.3630**, and the grayscale version is **19.1967, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.1460, 0.2461, 0.2967**, and **9.0436, 0.2088, 0.2716** is the 20% darker color. If you saturate the color by 10%, you get **21.8824, 0.2198, 0.2786**, and if you desaturate by 10%, it is **25.1637, 0.2393, 0.2944**.

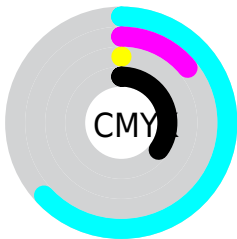
Distribution



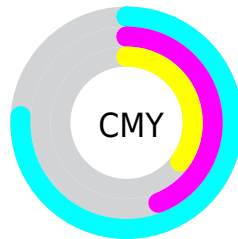
- Red (24%)
- Green (56%)
- Blue (65%)



- Red (24%)
- Yellow (42%)
- Blue (65%)



- Cyan (63%)
- Magenta (14%)
- Yellow (0%)
- Black (35%)





- Cyan (76%)
- Magenta (44%)
- Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.4222, 0.2287, 0.2866 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 23.4222, 0.2287, 0.2866 by changing the saturation by 10% instead.


 23.4222, 0.2287,
0.2866


 23.4222, 0.2287,
0.2866


269.8861, 0.2740,
0.3111


 14.9056, 0.2164,
0.2792


 49.0857, 0.2459,
0.2964


 8.7531, 0.2000,
0.2690


 67.0013, 0.2522,
0.2998


 4.5805, 0.1772,
0.2537

 88.8187, 0.2574,
0.3025

 2.0033, 0.1443,
0.2293

 114.9222, 0.2617,
0.3048

 0.6094, 0.0475,
0.1889

 145.6964, 0.2655,
0.3068

 0.0000, 0.0000,
0.0000

181.5255, 0.2687,

0.3084

222.7939, 0.2715,
0.3098

■ 23.4222, 0.2287,
0.2866

■ 23.4222, 0.2287,
0.2866

■ 21.8824, 0.2198,
0.2786

■ 25.1637, 0.2393,
0.2944

■ 20.5258, 0.2128,
0.2706

■ 27.1180, 0.2514,
0.3019

■ 19.3346, 0.2076,
0.2626

■ 29.2986, 0.2647,
0.3091

■ 18.5348, 0.2047,
0.2568

■ 31.7169, 0.2789,
0.3157

■ 34.3833, 0.2936,
0.3219

■ 37.3077, 0.3087,
0.3276

■ 40.4994, 0.3238,
0.3327

■ 43.9671, 0.3387,
0.3373

■ 47.7191, 0.3533,
0.3414

Harmonies

Analogous

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



23.4222, 0.2415, 0.3270



23.4222, 0.2287, 0.2866



23.4222, 0.2361, 0.2618

Triad

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



23.4222, 0.2287, 0.2866



23.4222, 0.3505, 0.2903



23.4222, 0.3608, 0.4113

Complementary

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



23.4222, 0.2287, 0.2866



14.9462, 0.4818, 0.3630

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.



23.4222, 0.3937, 0.3933



23.4222, 0.2287, 0.2866



23.4222, 0.3887, 0.3240

Square

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



23.4222, 0.2287, 0.2866



23.4222, 0.3037, 0.2658



23.4222, 0.4046, 0.3609



23.4222, 0.3163, 0.4048

Rectangle

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



23.4222, 0.2287, 0.2866



23.4222, 0.2517, 0.2555



23.4222, 0.4046, 0.3609



23.4222, 0.3736, 0.4076

Sweetspot

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



23.4231, 0.2287, 0.2866



59.1164, 0.2837, 0.3178



28.9438, 0.2905, 0.4876



12.9388, 0.2797, 0.3161



84.8088, 0.3127, 0.3290



15.4872, 0.3127, 0.3290

Same Dimension

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



23.4231, 0.2287, 0.2866



38.7598, 0.2170, 0.2756



11.3352, 0.2054, 0.1841



8.2465, 0.2987, 0.3239



14.4440, 0.2049, 0.2575



0.4193, 0.2122, 0.2837

Inverse Universe

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



13.5325, 0.3536, 0.2136



20.6980, 0.3655, 0.1981



26.2112, 0.4249, 0.4372



7.6378, 0.3170, 0.3116



7.5292, 0.3848, 0.1894



0.1900, 0.3600, 0.1757

Previews

White Background



This preview shows how the Yxy color 23.4222, 0.2287, 0.2866 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 23.4222, 0.2287, 0.2866 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

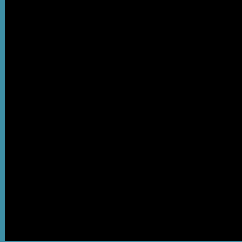
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.4222, 0.2287, 0.2866

Background



This preview shows how black text looks on a background with the Yxy color 23.4222, 0.2287, 0.2866.



This preview shows how white text looks on a background with the Yxy color 23.4222, 0.2287, 0.2866.

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

23.4222, 0.2287, 0.2866

Protanopia

23.2132, 0.2814, 0.2835

Deuteranopia

23.2655, 0.2705, 0.2650



Tritanopia

23.5210, 0.2332, 0.3079

Trichromacy



Original Color

23.4222, 0.2287, 0.2866

Protanomaly

22.7847, 0.2570, 0.2830

Deuteranomaly

23.0387, 0.2517, 0.2719

Tritanomaly

23.4144, 0.2313, 0.2988

Monochromacy



Original Color

23.4222, 0.2287, 0.2866

Achromatopsia

19.1202, 0.3127, 0.3290

Achromatomaly

20.2160, 0.2733, 0.3135

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.4222, 0.2287, 0.2866 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(62, 143, 166)` looks like.

```
.text, #text, p{  
    color:rgb(62, 143, 166)  
}
```

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(62, 143, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(62, 143, 166) }
```

Border

The CSS property to change the border of an element to Yxy 23.4222, 0.2287, 0.2866 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(62, 143, 166) }
```

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

```
.border{ border-color:rgb(62, 143, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(62, 143, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(62, 143, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(62, 143, 166);  
box-shadow:4px 4px 4px 4px rgb(62, 143,  
166) }
```


Background

The CSS property to change the background color of an element to Yxy 23.4222, 0.2287, 0.2866 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(62, 143, 166) }
```

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

```
.background{ background-color: rgb(62, 143,  
166) }
```

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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