

Converting Colors

$Y_{xy}(23.2027, 0.2443, 0.3140)$

Have a look what the booklet for
Yxy(23.2027, 0.2443, 0.3140)
contains.

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Color

$Y_{xy}(23.2570, 0.2438, 0.3136)$

Conversions

Conversions Part 1

Format	Color
Hex	488F97
RGB	72, 143, 151
RGB Percent	28%, 56%, 59%
CMY	0.7178, 0.4392, 0.4078
CMYK	0.52, 0.05, 0.00, 0.41
HSL	186°, 35%, 44%
HSV	186°, 52%, 59%
XYZ	18.0805, 23.2570, 32.8238
YIQ	122.6830, -44.8840, -12.5640

Conversions

Conversions Part 2

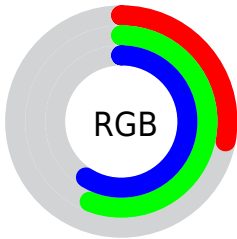
Format	Color
R_{YB}	72, 109, 151
Decimal	4755351
CIE _{Lab}	55.34, -19.92, -11.11
CIE _{LCh}	55, 22.812, 209.146
Yxy	23.2570, 0.2438, 0.3136
Android (android.graphics.Color)	4282945431 (0xFF488F97)
YUV	122.6830, 13.9603, -44.4490
Hunter-Lab	48.2255, -17.4721, -6.5968

Details

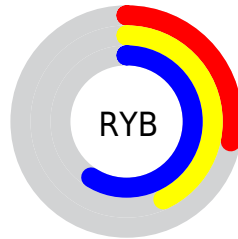
The Yxy color **23.2570, 0.2438, 0.3136** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **12.7850, 0.4505, 0.3428**, and the grayscale version is **19.6603, 0.3127, 0.3290**.

A 20% lighter version of the original color is **48.8523, 0.2586, 0.3179**, and **8.5938, 0.2190, 0.3053** is the 20% darker color. If you saturate the color by 10%, you get **22.2904, 0.2347, 0.3102**, and if you desaturate by 10%, it is **24.3742, 0.2546, 0.3169**.

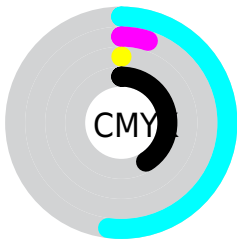
Distribution



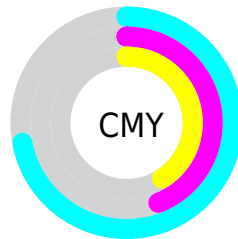
- Red (28%)
- Green (56%)
- Blue (59%)



- Red (28%)
- Yellow (43%)
- Blue (59%)



- Cyan (52%)
- Magenta (5%)
- Yellow (0%)
- Black (41%)





- Cyan (72%)
- Magenta (44%)
- Yellow (41%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.2570, 0.2438, 0.3136 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 23.2570, 0.2438, 0.3136 by changing the saturation by 10% instead.


 23.2570, 0.2438,
0.3136


 23.2570, 0.2438,
0.3136


269.0423, 0.2814,
0.3230


 14.7834, 0.2333,
0.3105


 48.8150, 0.2583,
0.3175


 8.6675, 0.2191,
0.3059


 66.6681, 0.2634,
0.3188


 4.5250, 0.1989,
0.2987

 88.4166, 0.2677,
0.3199

 1.9713, 0.1684,
0.2860

 114.4448, 0.2713,
0.3208

 0.5907, 0.0348,
0.2733

 145.1370, 0.2744,
0.3215

 0.0000, 0.0000,
0.0000

180.8777, 0.2771,

0.3221

222.0514, 0.2794,
0.3226

■ 23.2570, 0.2438,
0.3136

■ 23.2570, 0.2438,
0.3136

■ 22.2904, 0.2347,
0.3102

■ 24.3742, 0.2546,
0.3169

■ 21.4611, 0.2273,
0.3068

■ 25.6490, 0.2667,
0.3201

■ 20.7578, 0.2218,
0.3033

■ 27.0910, 0.2801,
0.3231

■ 20.1662, 0.2181,
0.2999

■ 28.7082, 0.2943,
0.3259

■ 19.7599, 0.2159,
0.2973

■ 30.5082, 0.3092,
0.3284

■ 32.4982, 0.3244,
0.3308

■ 34.6849, 0.3396,
0.3329

■ 37.0745, 0.3548,
0.3348

■ 39.6732, 0.3697,
0.3365

Harmonies

Analogous

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



23.2570, 0.2661, 0.3528



23.2570, 0.2438, 0.3136



23.2570, 0.2389, 0.2823

Triad

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



23.2570, 0.2438, 0.3136



23.2570, 0.3201, 0.2798



23.2570, 0.3751, 0.3934

Complementary

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



23.2570, 0.2438, 0.3136



12.7850, 0.4505, 0.3428

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.



23.2570, 0.3923, 0.3690



23.2570, 0.2438, 0.3136



23.2570, 0.3596, 0.3053

Square

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



23.2570, 0.2438, 0.3136



23.2570, 0.2808, 0.2656



23.2570, 0.3867, 0.3370



23.2570, 0.3416, 0.4013

Rectangle

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



23.2570, 0.2438, 0.3136



23.2570, 0.2456, 0.2695



23.2570, 0.3867, 0.3370



23.2570, 0.3831, 0.3866

Sweetspot

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



23.2579, 0.2438, 0.3136



50.2058, 0.2886, 0.3248



24.0947, 0.2995, 0.4753



11.2875, 0.2859, 0.3242



76.7769, 0.3127, 0.3290



12.5967, 0.3127, 0.3290

Same Dimension

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



23.2579, 0.2438, 0.3136



39.6028, 0.2331, 0.3096



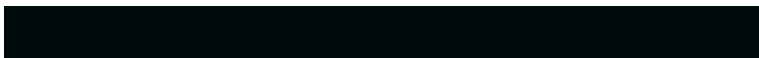
13.4305, 0.2279, 0.2324



6.9194, 0.2989, 0.3267



16.8283, 0.2160, 0.2976



0.2784, 0.2202, 0.3127

Inverse Universe

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



13.1959, 0.3301, 0.2173



19.9543, 0.3348, 0.1974



20.3388, 0.4125, 0.4077



6.3128, 0.3152, 0.3092



7.1041, 0.3476, 0.1688



0.1089, 0.3344, 0.1616

Previews

White Background



This preview shows how the Yxy color 23.2570, 0.2438, 0.3136 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 23.2570, 0.2438, 0.3136 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

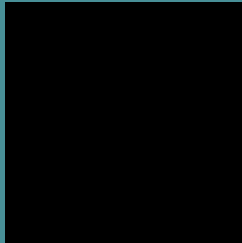
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.2570, 0.2438, 0.3136

Background



This preview shows how black text looks on a background with the Yxy color 23.2570, 0.2438, 0.3136.



This preview shows how white text looks on a background with the Yxy color 23.2570, 0.2438, 0.3136.

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

23.2570, 0.2438, 0.3136

Protanopia

23.0411, 0.3002, 0.3083

Deuteranopia

23.1019, 0.2924, 0.2873



Tritanopia

23.3945, 0.2424, 0.3082

Trichromacy



Original Color

23.2570, 0.2438, 0.3136

Protanomaly

22.7183, 0.2759, 0.3090

Deuteranomaly

22.7296, 0.2706, 0.2952

Tritanomaly

23.3613, 0.2431, 0.3100

Monochromacy



Original Color

23.2570, 0.2438, 0.3136

Achromatopsia

19.8069, 0.3127, 0.3290

Achromatomaly

20.6018, 0.2812, 0.3232

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.2570, 0.2438, 0.3136 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(72, 143, 151)` looks like.

```
.text, #text, p{  
    color:rgb(72, 143, 151)  
}
```

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(72, 143, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(72, 143, 151) }
```

Border

The CSS property to change the border of an element to Yxy 23.2570, 0.2438, 0.3136 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(72, 143, 151) }
```

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

```
.border{ border-color:rgb(72, 143, 151) }
```

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

Here you see how a box with a 4 pixel rgb(72, 143, 151) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(72, 143, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(72, 143, 151);  
box-shadow:4px 4px 4px 4px rgb(72, 143,  
151) }
```


Background

The CSS property to change the background color of an element to Yxy 23.2570, 0.2438, 0.3136 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(72, 143, 151) }
```

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

```
.background{ background-color: rgb(72, 143,  
151) }
```

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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