

Converting Colors

$Y_{xy}(23.7550, 0.2960, 0.3667)$

Have a look what the booklet for
Yxy(23.7550, 0.2960, 0.3667)
contains.

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Color

Yxy(23.8769, 0.2955, 0.3666)

Conversions

Conversions Part 1

Format	Color
Hex	6B8E7A
RGB	107, 142, 122
RGB Percent	42%, 56%, 48%
CMY	0.5805, 0.4431, 0.5216
CMYK	0.25, 0.00, 0.14, 0.44
HSL	146°, 14%, 49%
HSV	146°, 25%, 56%
XYZ	19.2461, 23.8769, 22.0077
YIQ	129.2550, -14.4400, -13.6400

Conversions

Conversions Part 2

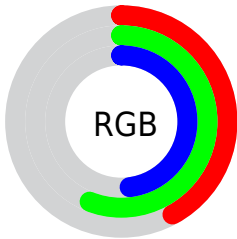
Format	Color
R_{YB}	107, 132, 142
Decimal	7048826
CIE _{Lab}	55.96, -16.58, 6.70
CIE _{LCh}	56, 17.884, 157.987
Yxy	23.8769, 0.2955, 0.3666
Android (android.graphics.Color)	4285238906 (0xFF6B8E7A)
YUV	129.2550, -3.5767, -19.5176
Hunter-Lab	48.8640, -15.2060, 7.5014

Details

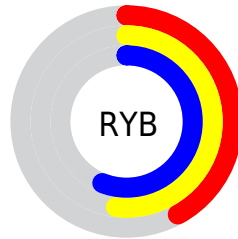
The Yxy color **23.8769, 0.2955, 0.3666** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **17.7912, 0.3347, 0.2942**, and the grayscale version is **22.0618, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.9068, 0.2997, 0.3589**, and **9.0651, 0.2897, 0.3843** is the 20% darker color. If you saturate the color by 10%, you get **22.8765, 0.2892, 0.3847**, and if you desaturate by 10%, it is **25.0407, 0.3023, 0.3502**.

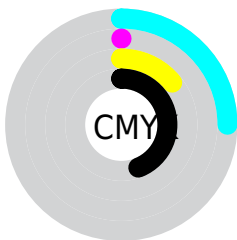
Distribution



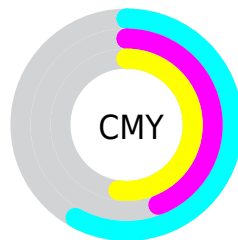
- Red (42%)
- Green (56%)
- Blue (48%)



- Red (42%)
- Yellow (52%)
- Blue (56%)



- Cyan (25%)
- Magenta (0%)
- Yellow (14%)
- Black (44%)



- Cyan (58%)
- Magenta (44%)
- Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 23.8769, 0.2955, 0.3666 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 23.8769, 0.2955, 0.3666 by changing the saturation by 10% instead.

■ 23.8769, 0.2955,
0.3666

■ 23.8769, 0.2955,
0.3666

■ 272.1975, 0.3053,
0.3452

■ 15.2423, 0.2925,
0.3730

■ 49.8292, 0.2994,
0.3581

■ 8.9896, 0.2884,
0.3821

■ 67.9158, 0.3008,
0.3551

■ 4.7344, 0.2820,
0.3959

■ 89.9218, 0.3019,
0.3527

■ 2.0923, 0.2713,
0.4193

■ 116.2317, 0.3028,
0.3507

■ 0.6603, 0.1966,
0.5826

■ 147.2298, 0.3036,
0.3490

■ 0.0000, 0.0000,
0.0000

183.3006, 0.3042,

0.3476

224.8283, 0.3048,
0.3463

■ 23.8769, 0.2955,
0.3666

■ 23.8769, 0.2955,
0.3666

■ 22.8765, 0.2892,
0.3847

■ 25.0407, 0.3023,
0.3502

■ 22.0289, 0.2836,
0.4042

■ 26.3717, 0.3094,
0.3354

■ 21.3271, 0.2790,
0.4250

■ 27.8776, 0.3165,
0.3222

■ 20.7623, 0.2758,
0.4465

■ 29.5645, 0.3235,
0.3105

■ 20.3246, 0.2743,
0.4683

■ 31.4382, 0.3304,
0.3002

■ 20.0028, 0.2745,
0.4896

■ 33.5045, 0.3370,
0.2912

■ 19.7825, 0.2765,
0.5098

■ 35.7687, 0.3433,
0.2833

■ 19.6854, 0.2778,
0.5200

■ 38.2360, 0.3493,
0.2764

■ 40.9113, 0.3550,
0.2704

Harmonies

Analogous

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



23.8769, 0.3266, 0.3830



23.8769, 0.2955, 0.3666



23.8769, 0.2699, 0.3387

Triad

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



23.8769, 0.2955, 0.3666



23.8769, 0.2705, 0.2779



23.8769, 0.3732, 0.3436

Complementary

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



23.8769, 0.2955, 0.3666



17.7912, 0.3347, 0.2942

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.



23.8769, 0.3567, 0.3177



23.8769, 0.2955, 0.3666



23.8769, 0.2965, 0.2810

Square

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



23.8769, 0.2955, 0.3666



23.8769, 0.2561, 0.2877



23.8769, 0.3281, 0.2953



23.8769, 0.3724, 0.3674

Rectangle

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



23.8769, 0.2955, 0.3666



23.8769, 0.2590, 0.3187



23.8769, 0.3281, 0.2953



23.8769, 0.3695, 0.3349

Sweetspot

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



23.8779, 0.2955, 0.3666



45.8897, 0.3076, 0.3389



24.9533, 0.3319, 0.3918



10.2237, 0.3073, 0.3396



71.0566, 0.3127, 0.3290



10.6539, 0.3127, 0.3290

Same Dimension

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



23.8779, 0.2955, 0.3666



41.0168, 0.2917, 0.3772



24.3394, 0.2801, 0.3342



6.0654, 0.3062, 0.3418



17.6753, 0.2776, 0.5192



0.1733, 0.2547, 0.4368

Inverse Universe

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



17.7912, 0.3347, 0.2942



28.2521, 0.3415, 0.2855



17.3830, 0.3581, 0.3239



5.4724, 0.3198, 0.3165



5.7013, 0.4616, 0.2316



0.0589, 0.3872, 0.1907

Previews

White Background



This preview shows how the Yxy color 23.8769, 0.2955, 0.3666 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 23.8769, 0.2955, 0.3666 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

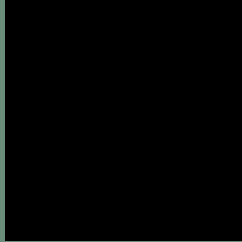
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.8769, 0.2955, 0.3666

Background



This preview shows how black text looks on a background with the Yxy color 23.8769, 0.2955, 0.3666.



This preview shows how white text looks on a background with the Yxy color 23.8769, 0.2955, 0.3666.

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

23.8769, 0.2955, 0.3666

Protanopia

23.6349, 0.3383, 0.3567

Deuteranopia

23.6652, 0.3423, 0.3357



Tritanopia

23.7916, 0.2756, 0.3094

Trichromacy



Original Color

23.8769, 0.2955, 0.3666

Protanomaly

23.5294, 0.3214, 0.3595

Deuteranomaly

23.5738, 0.3233, 0.3465

Tritanomaly

23.6443, 0.2827, 0.3289

Monochromacy



Original Color

23.8769, 0.2955, 0.3666

Achromatopsia

21.9526, 0.3127, 0.3290

Achromatomaly

22.6215, 0.3064, 0.3436

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.8769, 0.2955, 0.3666 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(107, 142, 122)` looks like.

```
.text, #text, p{  
    color:rgb(107, 142, 122)  
}
```

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(107, 142, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 142, 122) }
```

Border

The CSS property to change the border of an element to Yxy 23.8769, 0.2955, 0.3666 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(107, 142, 122) }
```

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

```
.border{ border-color:rgb(107, 142, 122) }
```

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

Here you see how a box with a 4 pixel rgb(107, 142, 122) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(107, 142, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(107, 142, 122);  
box-shadow:4px 4px 4px 4px rgb(107, 142,  
122) }
```


Background

The CSS property to change the background color of an element to Yxy 23.8769, 0.2955, 0.3666 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 142, 122) }
```

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

```
.background{ background-color: rgb(107,  
142, 122) }
```

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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