

Converting Colors

$Yxy(23.5214, 0.2425, 0.3022)$

Have a look what the booklet for
Yxy(23.5214, 0.2425, 0.3022)
contains.

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Color

$Y_{xy}(23.6570, 0.2429, 0.3029)$

Conversions

Conversions Part 1

Format	Color
Hex	4D8F9D
RGB	77, 143, 157
RGB Percent	30%, 56%, 62%
CMY	0.6980, 0.4392, 0.3842
CMYK	0.51, 0.09, 0.00, 0.38
HSL	191°, 34%, 46%
HSV	191°, 51%, 62%
XYZ	18.9709, 23.6570, 35.4738
YIQ	124.8620, -43.8300, -9.6380

Conversions

Conversions Part 2

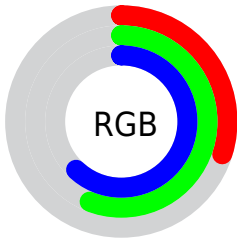
Format	Color
RYB	77, 113, 157
Decimal	5083037
CIELab	55.74, -17.03, -13.92
CIElCh	56, 22.000, 219.269
Yxy	23.6570, 0.2429, 0.3029
Android (android.graphics.Color)	4283273117 (0xFF4D8F9D)
YUV	124.8620, 15.8440, -41.9750
Hunter-Lab	48.6385, -15.4953, -9.1954

Details

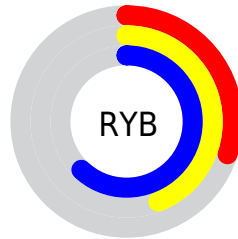
The Yxy color **23.6570, 0.2429, 0.3029** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **15.1950, 0.4402, 0.3522**, and the grayscale version is **20.4180, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.5113, 0.2569, 0.3087**, and **8.9627, 0.2183, 0.2922** is the 20% darker color. If you saturate the color by 10%, you get **22.2653, 0.2326, 0.2969**, and if you desaturate by 10%, it is **25.2284, 0.2547, 0.3087**.

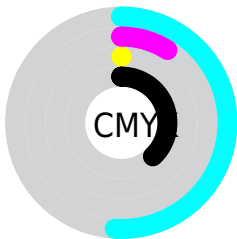
Distribution



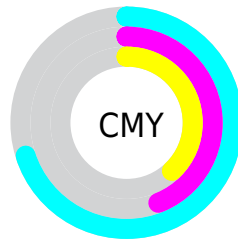
- Red (30%)
- Green (56%)
- Blue (62%)



- Red (30%)
- Yellow (44%)
- Blue (62%)



- Cyan (51%)
- Magenta (9%)
- Yellow (0%)
- Black (38%)



- Cyan (70%)
- Magenta (44%)
- Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 23.6570, 0.2429, 0.3029 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 23.6570, 0.2429, 0.3029 by changing the saturation by 10% instead.

■ 23.6570, 0.2429,
0.3029

■ 23.6570, 0.2429,
0.3029

■ 271.0818, 0.2808,
0.3182

■ 15.0794, 0.2324,
0.2982

■ 49.4699, 0.2574,
0.3091

■ 8.8751, 0.2183,
0.2914

■ 67.4740, 0.2627,
0.3112

■ 4.6598, 0.1983,
0.2812

■ 89.3889, 0.2670,
0.3129

■ 2.0491, 0.1684,
0.2640

■ 115.5993, 0.2706,
0.3144

■ 0.6358, 0.0705,
0.2378

■ 146.4893, 0.2737,
0.3155

■ 0.0000, 0.0000,
0.0000

182.4435, 0.2764,

0.3166

223.8462, 0.2788,
0.3174

■ 23.6570, 0.2429,
0.3029

■ 23.6570, 0.2429,
0.3029

■ 22.2653, 0.2326,
0.2969

■ 25.2284, 0.2547,
0.3087

■ 21.0390, 0.2240,
0.2907

■ 26.9874, 0.2677,
0.3142

■ 19.9657, 0.2173,
0.2845

■ 28.9445, 0.2817,
0.3194

■ 19.0298, 0.2124,
0.2783

■ 31.1087, 0.2963,
0.3242

■ 18.2675, 0.2091,
0.2728

■ 33.4883, 0.3113,
0.3286

■ 36.0911, 0.3264,
0.3326

■ 38.9246, 0.3414,
0.3362

■ 41.9959, 0.3561,
0.3393

■ 45.3117, 0.3704,
0.3421

Harmonies

Analogous

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



23.6570, 0.2591, 0.3391



23.6570, 0.2429, 0.3029



23.6570, 0.2440, 0.2772

Triad

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



23.6570, 0.2429, 0.3029



23.6570, 0.3332, 0.2890



23.6570, 0.3631, 0.3955

Complementary

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



23.6570, 0.2429, 0.3029



15.1950, 0.4402, 0.3522

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.



23.6570, 0.3857, 0.3767



23.6570, 0.2429, 0.3029



23.6570, 0.3683, 0.3162

Square

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



23.6570, 0.2429, 0.3029



23.6570, 0.2941, 0.2711



23.6570, 0.3880, 0.3476



23.6570, 0.3277, 0.3959

Rectangle

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



23.6570, 0.2429, 0.3029



23.6570, 0.2543, 0.2683



23.6570, 0.3880, 0.3476



23.6570, 0.3726, 0.3909

Sweetspot

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



23.6579, 0.2429, 0.3029



53.9694, 0.2899, 0.3222



26.4437, 0.2959, 0.4608



11.7100, 0.2870, 0.3212



78.7412, 0.3127, 0.3290



13.2868, 0.3127, 0.3290

Same Dimension

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



23.6579, 0.2429, 0.3029



39.5794, 0.2315, 0.2961



13.8506, 0.2278, 0.2243



7.3115, 0.2988, 0.3250



14.8801, 0.2092, 0.2733



0.3135, 0.2161, 0.2978

Inverse Universe

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



14.4632, 0.3382, 0.2273



21.8957, 0.3455, 0.2090



23.7655, 0.4053, 0.4138



6.7346, 0.3163, 0.3107



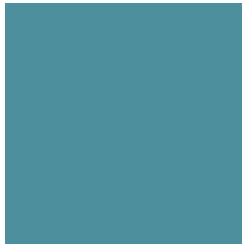
7.1244, 0.3697, 0.1810



0.1322, 0.3473, 0.1687

Previews

White Background



This preview shows how the Yxy color 23.6570, 0.2429, 0.3029 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 23.6570, 0.2429, 0.3029 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

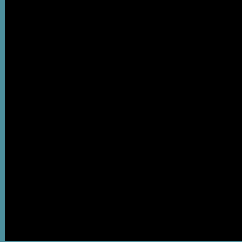
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

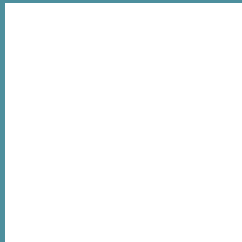
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 23.6570, 0.2429, 0.3029

Background



This preview shows how black text looks on a background with the Yxy color 23.6570, 0.2429, 0.3029.



This preview shows how white text looks on a background with the Yxy color 23.6570, 0.2429, 0.3029.

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

23.6570, 0.2429, 0.3029

Protanopia

23.4504, 0.2922, 0.2984

Deuteranopia

23.4089, 0.2846, 0.2794



Tritanopia

23.5480, 0.2436, 0.3065

Trichromacy



Original Color

23.6570, 0.2429, 0.3029

Protanomaly

23.2877, 0.2709, 0.2989

Deuteranomaly

23.2759, 0.2666, 0.2872

Tritanomaly

23.5817, 0.2429, 0.3047

Monochromacy



Original Color

23.6570, 0.2429, 0.3029

Achromatopsia

20.5079, 0.3127, 0.3290

Achromatomaly

21.4968, 0.2817, 0.3196

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.6570, 0.2429, 0.3029 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(77, 143, 157)` looks like.

```
.text, #text, p{  
    color:rgb(77, 143, 157)  
}
```

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(77, 143, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 143, 157) }
```

Border

The CSS property to change the border of an element to Yxy 23.6570, 0.2429, 0.3029 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(77, 143, 157) }
```

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

```
.border{ border-color:rgb(77, 143, 157) }
```

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

Here you see how a box with a 4 pixel `rgb(77, 143, 157)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 143, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 143, 157);  
box-shadow:4px 4px 4px 4px rgb(77, 143,  
157) }
```


Background

The CSS property to change the background color of an element to Yxy 23.6570, 0.2429, 0.3029 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 143, 157) }
```

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

```
.background{ background-color: rgb(77, 143,  
157) }
```

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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