

Converting Colors

$Y_{xy}(23.7709, 0.3076, 0.4230)$

Have a look what the booklet for
Yxy(23.7709, 0.3076, 0.4230)
contains.

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Color

Yxy(23.6740, 0.3074, 0.4216)

Conversions

Conversions Part 1

Format	Color
Hex	619162
RGB	97, 145, 98
RGB Percent	38%, 57%, 38%
CMY	0.6195, 0.4314, 0.6156
CMYK	0.33, 0.00, 0.32, 0.43
HSL	121°, 20%, 47%
HSV	121°, 33%, 57%
XYZ	17.2614, 23.6740, 15.2174
YIQ	125.2900, -13.5210, -24.7930

Conversions

Conversions Part 2

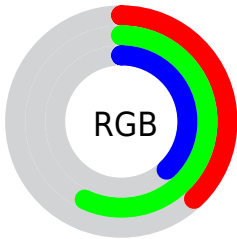
Format	Color
R_{YB}	97, 144, 145
Decimal	6394210
CIE _{Lab}	55.76, -26.16, 19.93
CIE _{LCh}	56, 32.890, 142.694
Yxy	23.6740, 0.3074, 0.4216
Android (android.graphics.Color)	4284584290 (0xFF619162)
YUV	125.2900, -13.4540, -24.8103
Hunter-Lab	48.6559, -21.8226, 15.5159

Details

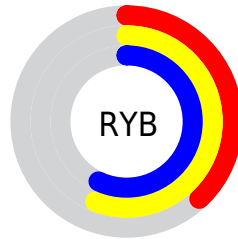
The Yxy color $23.6740, 0.3074, 0.4216$ is a dark color, and the websafe version is hex 669966 . A complement of this color would be $16.5859, 0.3177, 0.2511$, and the grayscale version is $20.6625, 0.3127, 0.3290$.

A 20% lighter version of the original color is $49.4063, 0.3094, 0.3997$, and $8.8728, 0.3026, 0.4614$ is the 20% darker color. If you saturate the color by 10%, you get $22.7049, 0.3056, 0.4552$, and if you desaturate by 10%, it is $24.8383, 0.3091, 0.3901$.

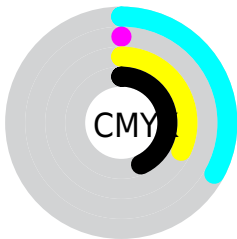
Distribution



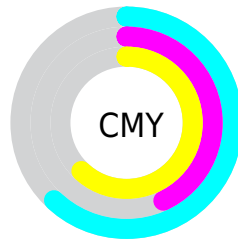
- Red (38%)
- Green (57%)
- Blue (38%)



- Red (38%)
- Yellow (56%)
- Blue (57%)



- Cyan (33%)
- Magenta (0%)
- Yellow (32%)
- Black (43%)




- Cyan (62%)
- Magenta (43%)
- Yellow (62%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.6740, 0.3074, 0.4216 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 23.6740, 0.3074, 0.4216 by changing the saturation by 10% instead.


 23.6740, 0.3074,
0.4216


 23.6740, 0.3074,
0.4216


271.1682, 0.3117,
0.3678


 15.0920, 0.3054,
0.4383


 49.4977, 0.3095,
0.3998


 8.8840, 0.3021,
0.4621


 67.5081, 0.3101,
0.3924

 4.6656, 0.2959,
0.4987

 89.4302, 0.3106,
0.3863

 2.0524, 0.2875,
0.5715

 115.6482, 0.3109,
0.3813

 0.6377, 0.0000,
1.0000

146.5466, 0.3112,
0.3771

 0.0000, 0.0000,
0.0000

182.5098, 0.3114,

0.3735

223.9222, 0.3115,
0.3705

■ 23.6740, 0.3074,
0.4216

■ 23.6740, 0.3074,
0.4216

■ 22.7049, 0.3056,
0.4552

■ 24.8383, 0.3091,
0.3901

■ 21.9175, 0.3039,
0.4896

■ 26.2045, 0.3108,
0.3616

■ 21.3014, 0.3023,
0.5227


■ 27.7825, 0.3123,
0.3362


■ 20.8439, 0.3011,
0.5521

■ 29.5810, 0.3136,
0.3140

■ 20.5304, 0.3002,
0.5754

■ 31.6078, 0.3148,
0.2948


 20.3439, 0.2999,
0.5910

 33.8705, 0.3159,
0.2782

 20.2572, 0.2995,
0.5982

 36.3766, 0.3169,
0.2639

 39.1328, 0.3177,
0.2516

 42.1459, 0.3184,
0.2411

Harmonies

Analogous

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



23.6740, 0.3634, 0.4336



23.6740, 0.3074, 0.4216



23.6740, 0.2555, 0.3756

Triad

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



23.6740, 0.3074, 0.4216



23.6740, 0.2220, 0.2433



23.6740, 0.4132, 0.3283

Complementary

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



23.6740, 0.3074, 0.4216



16.5859, 0.3177, 0.2511

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.



23.6740, 0.3682, 0.2868



23.6740, 0.3074, 0.4216



23.6740, 0.2569, 0.2395

Square

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



23.6740, 0.3074, 0.4216



23.6740, 0.2095, 0.2692



23.6740, 0.3096, 0.2553



23.6740, 0.4277, 0.3731

Rectangle

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



23.6740, 0.3074, 0.4216



23.6740, 0.2300, 0.3361



23.6740, 0.3096, 0.2553



23.6740, 0.4010, 0.3138

Sweetspot

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



23.6750, 0.3074, 0.4216



47.7040, 0.3112, 0.3539



27.0613, 0.3600, 0.4090



10.5367, 0.3110, 0.3572



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.



23.6750, 0.3074, 0.4216



41.0244, 0.3060, 0.4475



24.1933, 0.2864, 0.3734



6.0311, 0.3114, 0.3512



17.3760, 0.2995, 0.5981



0.1664, 0.2969, 0.5889

Inverse Universe

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



16.5859, 0.3177, 0.2511



26.2336, 0.3189, 0.2336



15.9333, 0.3508, 0.2887



5.5091, 0.3140, 0.3077



6.8389, 0.3260, 0.1570



0.0658, 0.3233, 0.1554

Previews

White Background



This preview shows how the Yxy color 23.6740, 0.3074, 0.4216 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 23.6740, 0.3074, 0.4216 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 23.6740, 0.3074, 0.4216

Background



This preview shows how black text looks on a background with the Yxy color 23.6740, 0.3074, 0.4216.



This preview shows how white text looks on a background with the Yxy color 23.6740, 0.3074, 0.4216.

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

23.6740, 0.3074, 0.4216

Protanopia

23.4947, 0.3700, 0.3976

Deuteranopia

23.4656, 0.3774, 0.3717



Tritanopia

23.7930, 0.2703, 0.3092

Trichromacy



Original Color

23.6740, 0.3074, 0.4216

Protanomaly

23.2296, 0.3451, 0.4057

Deuteranomaly

23.1407, 0.3496, 0.3877

Tritanomaly

23.5720, 0.2834, 0.3477

Monochromacy



Original Color

23.6740, 0.3074, 0.4216

Achromatopsia

20.5079, 0.3127, 0.3290

Achromatomaly

21.3852, 0.3112, 0.3614

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.6740, 0.3074, 0.4216 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 $rgb(97, 145, 98)$ looks like.

```
.text, #text, p{  
    color:rgb(97, 145, 98)  
}
```

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(97, 145, 98) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(97, 145, 98) }
```

Border

The CSS property to change the border of an element to Yxy 23.6740, 0.3074, 0.4216 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(97, 145, 98) }
```

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

```
.border{ border-color:rgb(97, 145, 98) }
```

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

Here you see how a box with a 4 pixel rgb(97, 145, 98) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(97, 145, 98); -webkit-box-  
shadow:4px 4px 4px 4px rgb(97, 145, 98);  
box-shadow:4px 4px 4px 4px rgb(97, 145,  
98) }
```


Background

The CSS property to change the background color of an element to Yxy 23.6740, 0.3074, 0.4216 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(97, 145, 98) }
```

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

```
.background{ background-color: rgb(97, 145,  
98) }
```

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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