

Converting Colors

$Y_{xy}(23.7532, 0.3171, 0.4114)$

Have a look what the booklet for
Yxy(23.7532, 0.3171, 0.4114)
contains.

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Color

Yxy(23.7532, 0.3171, 0.4114)

Conversions

Conversions Part 1

Format	Color
Hex	6C8F64
RGB	108, 143, 100
RGB Percent	42%, 56%, 39%
CMY	0.5764, 0.4392, 0.6078
CMYK	0.24, 0.00, 0.30, 0.44
HSL	109°, 18%, 48%
HSV	109°, 30%, 56%
XYZ	18.3086, 23.7532, 15.6757
YIQ	127.6330, -7.0570, -20.7930

Conversions

Conversions Part 2

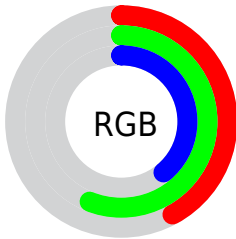
Format	Color
R_{YB}	100, 143, 135
Decimal	7114596
CIE _{Lab}	55.84, -20.89, 19.04
CIE _{LCh}	56, 28.266, 137.655
Yxy	23.7532, 0.3171, 0.4114
Android (android.graphics.Color)	4285304676 (0xFF6C8F64)
YUV	127.6330, -13.6231, -17.2181
Hunter-Lab	48.7373, -18.2352, 15.0462

Details

The Yxy color $23.7532, 0.3171, 0.4114$ is a dark color, and the websafe version is hex 669966 . A complement of this color would be $16.2465, 0.3055, 0.2545$, and the grayscale version is $21.5041, 0.3127, 0.3290$.

A 20% lighter version of the original color is $49.6405, 0.3167, 0.3926$, and $8.8411, 0.3159, 0.4452$ is the 20% darker color. If you saturate the color by 10%, you get $22.8196, 0.3178, 0.4435$, and if you desaturate by 10%, it is $24.8347, 0.3159, 0.3813$.

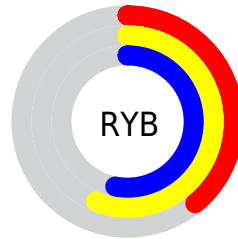
Distribution



Red (42%)

Green (56%)

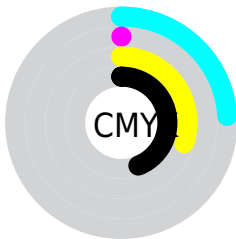
Blue (39%)



Red (39%)

Yellow (56%)

Blue (53%)

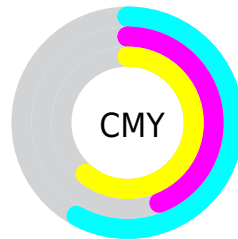


Cyan (24%)

Magenta (0%)

Yellow (30%)

Black (44%)



Cyan (58%)


Magenta (44%)


Yellow (61%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.7532, 0.3171, 0.4114 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 23.7532, 0.3171, 0.4114 by changing the saturation by 10% instead.


 23.7532, 0.3171,
0.4114

 23.7532, 0.3171,
0.4114


271.5704, 0.3157,
0.3638

 15.1506, 0.3169,
0.4260


 49.6272, 0.3169,
0.3923

 8.9252, 0.3163,
0.4467


 67.6674, 0.3167,
0.3857

 4.6924, 0.3142,
0.4782

 89.6222, 0.3165,
0.3803

 2.0679, 0.3116,
0.5380

 115.8761, 0.3163,
0.3759

 0.6465, 0.1391,
0.8609

146.8135, 0.3161,
0.3722

 0.0000, 0.0000,
0.0000

182.8188, 0.3160,

0.3690

224.2762, 0.3158,
0.3662

■ 23.7532, 0.3171,
0.4114

■ 23.7532, 0.3171,
0.4114

■ 22.8196, 0.3178,
0.4435

■ 24.8347, 0.3159,
0.3813

■ 22.0246, 0.3179,
0.4765

■ 26.0672, 0.3144,
0.3538

■ 21.3624, 0.3172,
0.5088


■ 27.4572, 0.3127,
0.3292

■ 20.8254, 0.3157,
0.5384

■ 29.0101, 0.3110,
0.3073

■ 20.4055, 0.3132,
0.5633

■ 30.7310, 0.3092,
0.2880

 20.0934, 0.3101,
0.5817

 32.6247, 0.3074,
0.2712

 19.8734, 0.3070,
0.5944

 34.6960, 0.3057,
0.2565

 36.9492, 0.3041,
0.2436

 39.3888, 0.3026,
0.2324

Harmonies

Analogous

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



23.7532, 0.3647, 0.4175



23.7532, 0.3171, 0.4114



23.7532, 0.2705, 0.3766

Triad

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



23.7532, 0.3171, 0.4114



23.7532, 0.2305, 0.2572



23.7532, 0.3939, 0.3227

Complementary

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



23.7532, 0.3171, 0.4114



16.2465, 0.3055, 0.2545

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.



23.7532, 0.3525, 0.2870



23.7532, 0.3171, 0.4114



23.7532, 0.2581, 0.2502

Square

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



23.7532, 0.3171, 0.4114



23.7532, 0.2230, 0.2838



23.7532, 0.3020, 0.2612



23.7532, 0.4115, 0.3620

Rectangle

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



23.7532, 0.3171, 0.4114



23.7532, 0.2461, 0.3441



23.7532, 0.3020, 0.2612



23.7532, 0.3822, 0.3101

Sweetspot

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



23.7542, 0.3171, 0.4114



46.8903, 0.3143, 0.3516



23.9205, 0.3603, 0.3881



10.6815, 0.3145, 0.3550



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.



23.7542, 0.3171, 0.4114



41.3923, 0.3176, 0.4327



23.5441, 0.2970, 0.3873



6.0748, 0.3143, 0.3515



17.5791, 0.3073, 0.5942



0.1753, 0.3311, 0.5753

Inverse Universe

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



16.2465, 0.3055, 0.2545



25.7363, 0.3033, 0.2375



16.5681, 0.3332, 0.2771



5.4609, 0.3109, 0.3071



5.0649, 0.2753, 0.1290



0.0569, 0.2987, 0.1419

Previews

White Background



This preview shows how the Yxy color 23.7532, 0.3171, 0.4114 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 23.7532, 0.3171, 0.4114 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

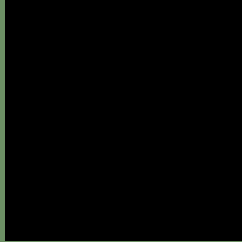
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.7532, 0.3171, 0.4114

Background



This preview shows how black text looks on a background with the Yxy color 23.7532, 0.3171, 0.4114.



This preview shows how white text looks on a background with the Yxy color 23.7532, 0.3171, 0.4114.

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

23.7532, 0.3171, 0.4114

Protanopia

23.5489, 0.3667, 0.3925

Deuteranopia

23.4855, 0.3762, 0.3700



Tritanopia

23.7424, 0.2802, 0.3095

Trichromacy



Original Color

23.7532, 0.3171, 0.4114

Protanomaly

23.5797, 0.3479, 0.4008

Deuteranomaly

23.2233, 0.3538, 0.3834

Tritanomaly

23.6146, 0.2931, 0.3436

Monochromacy



Original Color

23.7532, 0.3171, 0.4114

Achromatopsia

21.5861, 0.3127, 0.3290

Achromatomaly

22.1480, 0.3148, 0.3568

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.7532, 0.3171, 0.4114 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(108, 143, 100)` looks like.

```
.text, #text, p{  
    color:rgb(108, 143, 100)  
}
```

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(108, 143, 100) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(108, 143, 100) }
```

Border

The CSS property to change the border of an element to Yxy 23.7532, 0.3171, 0.4114 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(108, 143, 100) }
```

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

```
.border{ border-color:rgb(108, 143, 100) }
```

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

Here you see how a box with a 4 pixel `rgb(108, 143, 100)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(108, 143, 100); -webkit-box-shadow:4px 4px 4px 4px rgb(108, 143, 100); box-shadow:4px 4px 4px 4px rgb(108, 143, 100) }
```


Background

The CSS property to change the background color of an element to Yxy 23.7532, 0.3171, 0.4114 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(108, 143, 100) }
```

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

```
.background{ background-color: rgb(108,  
143, 100) }
```

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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