

Converting Colors

$Y_{xy}(23.1545, 0.3133, 0.4077)$

Have a look what the booklet for
Yxy(23.1545, 0.3133, 0.4077)
contains.

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Color

$Y_{xy}(23.2888, 0.3131, 0.4086)$

Conversions

Conversions Part 1

Format	Color
Hex	698E65
RGB	105, 142, 101
RGB Percent	41%, 56%, 40%
CMY	0.5883, 0.4431, 0.6040
CMYK	0.26, 0.00, 0.29, 0.44
HSL	114°, 17%, 48%
HSV	114°, 29%, 56%
XYZ	17.8456, 23.2888, 15.8621
YIQ	126.2630, -8.8910, -20.5950

Conversions

Conversions Part 2

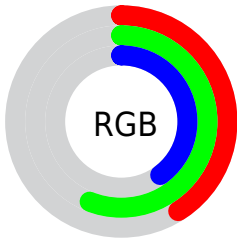
Format	Color
R_{YB}	101, 142, 138
Decimal	6917733
CIE _{Lab}	55.37, -21.31, 17.81
CIE _{LCh}	55, 27.778, 140.113
Yxy	23.2888, 0.3131, 0.4086
Android (android.graphics.Color)	4285107813 (0xFF698E65)
YUV	126.2630, -12.4547, -18.6477
Hunter-Lab	48.2585, -18.4443, 14.2928

Details

The Yxy color **23.2888, 0.3131, 0.4086** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **16.6613, 0.3107, 0.2586**, and the grayscale version is **21.0027, 0.3127, 0.3290**.

A 20% lighter version of the original color is **48.9150, 0.3137, 0.3904**, and **8.7614, 0.3102, 0.4438** is the 20% darker color. If you saturate the color by 10%, you get **22.3168, 0.3127, 0.4412**, and if you desaturate by 10%, it is **24.4278, 0.3132, 0.3783**.

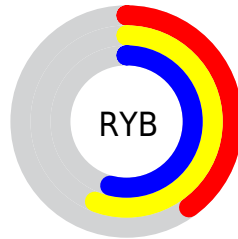
Distribution



Red (41%)

Green (56%)

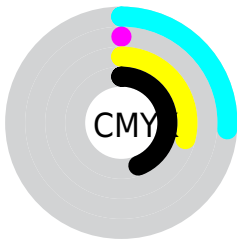
Blue (40%)



Red (40%)

Yellow (56%)

Blue (54%)

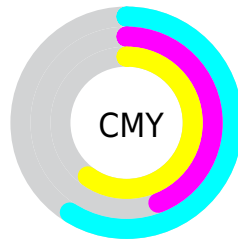


Cyan (26%)

Magenta (0%)

Yellow (29%)

Black (44%)



Cyan (59%)


Magenta (44%)


Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.2888, 0.3131, 0.4086 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 23.2888, 0.3131, 0.4086 by changing the saturation by 10% instead.


 23.2888, 0.3131,
0.4086


 23.2888, 0.3131,
0.4086

269.2049, 0.3138,
0.3625


 14.8069, 0.3124,
0.4228


 48.8671, 0.3137,
0.3900


 8.6840, 0.3109,
0.4431


 66.7323, 0.3138,
0.3836

 4.5356, 0.3077,
0.4743

 88.4940, 0.3139,
0.3784

 1.9775, 0.3030,
0.5333

 114.5367, 0.3139,
0.3741

 0.5943, 0.0698,
0.9302

145.2448, 0.3139,
0.3705

 0.0000, 0.0000,
0.0000

181.0025, 0.3139,

0.3675

222.1944, 0.3139,
0.3648

■ 23.2888, 0.3131,
0.4086

■ 23.2888, 0.3131,
0.4086

■ 22.3168, 0.3127,
0.4412

■ 24.4278, 0.3132,
0.3783

■ 21.5012, 0.3119,
0.4751

■ 25.7381, 0.3130,
0.3508

■ 20.8346, 0.3107,
0.5085

■ 27.2274, 0.3127,
0.3264

■ 20.3080, 0.3091,
0.5393

■ 28.9021, 0.3122,
0.3050

■ 19.9113, 0.3071,
0.5652

■ 30.7683, 0.3117,
0.2863

■ 19.6331, 0.3049,
0.5841

■ 32.8318, 0.3111,
0.2701

■ 19.4555, 0.3030,
0.5964

■ 35.0981, 0.3106,
0.2560

■ 19.4403, 0.3029,
0.5977

■ 37.5725, 0.3100,
0.2438

■ 40.2603, 0.3094,
0.2333

Harmonies

Analogous

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



23.2888, 0.3607, 0.4171



23.2888, 0.3131, 0.4086



23.2888, 0.2676, 0.3723

Triad

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



23.2888, 0.3131, 0.4086



23.2888, 0.2328, 0.2567



23.2888, 0.3955, 0.3260

Complementary

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



23.2888, 0.3131, 0.4086



16.6613, 0.3107, 0.2586

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.



23.2888, 0.3560, 0.2900



23.2888, 0.3131, 0.4086



23.2888, 0.2617, 0.2512

Square

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



23.2888, 0.3131, 0.4086



23.2888, 0.2237, 0.2814



23.2888, 0.3062, 0.2635



23.2888, 0.4106, 0.3649

Rectangle

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



23.2888, 0.3131, 0.4086



23.2888, 0.2443, 0.3399



23.2888, 0.3062, 0.2635



23.2888, 0.3845, 0.3133

Sweetspot

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



23.2898, 0.3131, 0.4086



45.3084, 0.3130, 0.3516



24.8404, 0.3565, 0.3922



10.0491, 0.3130, 0.3550



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.



23.2898, 0.3131, 0.4086



39.8609, 0.3129, 0.4307



23.4076, 0.2938, 0.3764



6.0530, 0.3130, 0.3516



17.4568, 0.3031, 0.5976



0.1709, 0.3170, 0.5865

Inverse Universe

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



16.6613, 0.3107, 0.2586



26.1049, 0.3099, 0.2418



16.5517, 0.3378, 0.2860



5.4847, 0.3123, 0.3072



5.8888, 0.2971, 0.1410



0.0613, 0.3097, 0.1480

Previews

White Background



This preview shows how the Yxy color 23.2888, 0.3131, 0.4086 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 23.2888, 0.3131, 0.4086 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

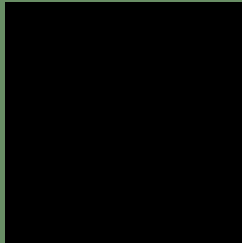
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.2888, 0.3131, 0.4086

Background



This preview shows how black text looks on a background with the Yxy color 23.2888, 0.3131, 0.4086.



This preview shows how white text looks on a background with the Yxy color 23.2888, 0.3131, 0.4086.

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

23.2888, 0.3131, 0.4086

Protanopia

23.1164, 0.3636, 0.3897

Deuteranopia

23.0482, 0.3730, 0.3672



Tritanopia

23.2256, 0.2781, 0.3093

Trichromacy



Original Color

23.2888, 0.3131, 0.4086

Protanomaly

23.1573, 0.3448, 0.3980

Deuteranomaly

22.7160, 0.3494, 0.3806

Tritanomaly

23.1037, 0.2909, 0.3438

Monochromacy



Original Color

23.2888, 0.3131, 0.4086

Achromatopsia

20.8637, 0.3127, 0.3290

Achromatomaly

21.6384, 0.3125, 0.3572

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.2888, 0.3131, 0.4086 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(105, 142, 101)` looks like.

```
.text, #text, p{  
    color:rgb(105, 142, 101)  
}
```

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(105, 142, 101) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 142, 101) }
```

Border

The CSS property to change the border of an element to Yxy 23.2888, 0.3131, 0.4086 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(105, 142, 101) }
```

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

```
.border{ border-color:rgb(105, 142, 101) }
```

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

Here you see how a box with a 4 pixel `rgb(105, 142, 101)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(105, 142, 101); -webkit-box-  
shadow:4px 4px 4px 4px rgb(105, 142, 101);  
box-shadow:4px 4px 4px 4px rgb(105, 142,  
101) }
```


Background

The CSS property to change the background color of an element to Yxy 23.2888, 0.3131, 0.4086 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(105, 142, 101) }
```

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

```
.background{ background-color: rgb(105,  
142, 101) }
```

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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