

Converting Colors

$Y_{xy}(20.6199, 0.2967, 0.4449)$

Have a look what the booklet for
Yxy(20.6199, 0.2967, 0.4449)
contains.

Yxy(20.5930, 0.2961, 0.4440)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(20.5930, 0.2961, 0.4440)

Conversions

Conversions Part 1

Format	Color
Hex	4A8B56
RGB	74, 139, 86
RGB Percent	29%, 55%, 34%
CMY	0.7100, 0.4549, 0.6628
CMYK	0.47, 0.00, 0.38, 0.45
HSL	131°, 31%, 42%
HSV	131°, 47%, 55%
XYZ	13.7333, 20.5930, 12.0543
YIQ	113.5230, -21.7270, -30.2630

Conversions

Conversions Part 2

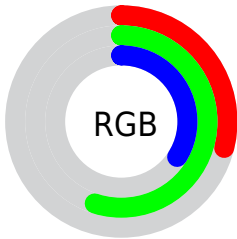
Format	Color
RYB	74, 129, 139
Decimal	4885334
CIELab	52.50, -32.89, 22.07
CIElCh	53, 39.612, 146.138
Yxy	20.5930, 0.2961, 0.4440
Android (android.graphics.Color)	4283075414 (0xFF4A8B56)
YUV	113.5230, -13.5688, -34.6617
Hunter-Lab	45.3795, -25.3943, 16.0162

Details

The Yxy color **20.5930, 0.2961, 0.4440** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **11.9119, 0.3364, 0.2368**, and the grayscale version is **16.7200, 0.3127, 0.3290**.

A 20% lighter version of the original color is **44.3531, 0.3012, 0.4159**, and **7.2711, 0.2836, 0.4978** is the 20% darker color. If you saturate the color by 10%, you get **19.9338, 0.2937, 0.4736**, and if you desaturate by 10%, it is **21.4047, 0.2992, 0.4154**.

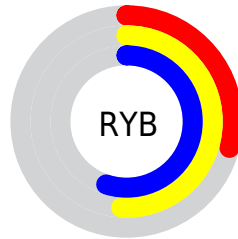
Distribution



Red (29%)

Green (55%)

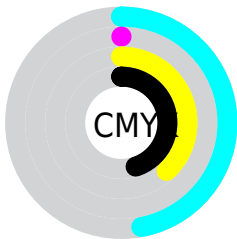
Blue (34%)



Red (29%)

Yellow (51%)

Blue (55%)

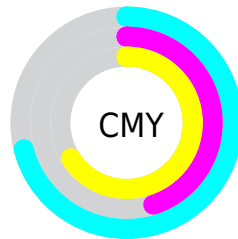


Cyan (47%)

Magenta (0%)

Yellow (38%)

Black (45%)



Cyan (71%)


Magenta (45%)


Yellow (66%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.5930, 0.2961, 0.4440 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 20.5930, 0.2961, 0.4440 by changing the saturation by 10% instead.


 20.5930, 0.2961,
0.4440


 20.5930, 0.2961,
0.4440

255.1075, 0.3075,
0.3752


 12.8268, 0.2915,
0.4664


 44.4092, 0.3013,
0.4155


 7.3094, 0.2839,
0.4993


 61.2280, 0.3029,
0.4060


 3.6563, 0.2701,
0.5513

 81.8331, 0.3042,
0.3983

 1.4832, 0.2568,
0.7432

 106.6090, 0.3051,
0.3920

 0.2769, 0.0000,
1.0000

 135.9399, 0.3059,
0.3867

 0.0000, 0.0000,
0.0000

170.2104, 0.3065,

0.3823

209.8048, 0.3071,
0.3785

■ 20.5930, 0.2961,
0.4440

■ 20.5930, 0.2961,
0.4440

■ 19.9338, 0.2937,
0.4736

■ 21.4047, 0.2992,
0.4154

■ 19.4152, 0.2921,
0.5030

■ 22.3751, 0.3027,
0.3886

■ 19.0273, 0.2916,
0.5306


■ 23.5129, 0.3064,
0.3643

■ 18.7581, 0.2923,
0.5548


■ 24.8257, 0.3102,
0.3424

■ 18.5874, 0.2939,
0.5741

■ 26.3204, 0.3139,
0.3231

 18.5416, 0.2943,
0.5794

 28.0037, 0.3175,
0.3062

 29.8819, 0.3208,
0.2914

 31.9609, 0.3240,
0.2786

 34.2464, 0.3270,
0.2674

Harmonies

Analogous

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



20.5930, 0.3660, 0.4622



20.5930, 0.2961, 0.4440



20.5930, 0.2344, 0.3796

Triad

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



20.5930, 0.2961, 0.4440



20.5930, 0.2049, 0.2216



20.5930, 0.4440, 0.3321

Complementary

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



20.5930, 0.2961, 0.4440



11.9119, 0.3364, 0.2368

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.



20.5930, 0.3903, 0.2817



20.5930, 0.2961, 0.4440



20.5930, 0.2494, 0.2209

Square

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



20.5930, 0.2961, 0.4440



20.5930, 0.1869, 0.2482



20.5930, 0.3163, 0.2424



20.5930, 0.4558, 0.3863

Rectangle

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



20.5930, 0.2961, 0.4440



20.5930, 0.2059, 0.3278



20.5930, 0.3163, 0.2424



20.5930, 0.4301, 0.3145

Sweetspot

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



20.5939, 0.2961, 0.4440



42.6584, 0.3074, 0.3586



23.4803, 0.3649, 0.4455



9.7299, 0.3066, 0.3629



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.



20.5939, 0.2961, 0.4440



35.6490, 0.2936, 0.4749



21.2397, 0.2686, 0.3717



5.6224, 0.3093, 0.3473



16.7340, 0.2941, 0.5787



0.1128, 0.2764, 0.5150

Inverse Universe

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



11.9119, 0.3364, 0.2368



18.1361, 0.3433, 0.2188



11.1987, 0.3940, 0.2915



5.1134, 0.3163, 0.3114



6.0377, 0.3725, 0.1826



0.0420, 0.3444, 0.1671

Previews

White Background



This preview shows how the Yxy color 20.5930, 0.2961, 0.4440 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 20.5930, 0.2961, 0.4440 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 20.5930, 0.2961, 0.4440

Background



This preview shows how black text looks on a background with the Yxy color 20.5930, 0.2961, 0.4440.



This preview shows how white text looks on a background with the Yxy color 20.5930, 0.2961, 0.4440.

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

20.5930, 0.2961, 0.4440

Protanopia

20.4807, 0.3790, 0.4099

Deuteranopia

20.2277, 0.3870, 0.3790



Tritanopia

20.5119, 0.2570, 0.3076

Trichromacy



Original Color

20.5930, 0.2961, 0.4440

Protanomaly

20.0852, 0.3442, 0.4237

Deuteranomaly

19.7079, 0.3485, 0.4005

Tritanomaly

20.5269, 0.2712, 0.3556

Monochromacy



Original Color

20.5930, 0.2961, 0.4440

Achromatopsia

16.8269, 0.3127, 0.3290

Achromatomaly

17.8180, 0.3049, 0.3689

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.5930, 0.2961, 0.4440 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(74, 139, 86)` looks like.

```
.text, #text, p{  
    color:rgb(74, 139, 86)  
}
```

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(74, 139, 86) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(74, 139, 86) }
```

Border

The CSS property to change the border of an element to Yxy 20.5930, 0.2961, 0.4440 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(74, 139, 86) }
```

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

```
.border{ border-color:rgb(74, 139, 86) }
```

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

Here you see how a box with a 4 pixel `rgb(74, 139, 86)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(74, 139, 86); -webkit-box-  
shadow:4px 4px 4px 4px rgb(74, 139, 86);  
box-shadow:4px 4px 4px 4px rgb(74, 139,  
86) }
```


Background

The CSS property to change the background color of an element to Yxy 20.5930, 0.2961, 0.4440 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(74, 139, 86) }
```

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

```
.background{ background-color: rgb(74, 139,  
86) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor