

Converting Colors

$Y_{xy}(20.4436, 0.3132, 0.4116)$

Have a look what the booklet for
Yxy(20.4436, 0.3132, 0.4116)
contains.

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Color

Yxy(20.4550, 0.3132, 0.4111)

Conversions

Conversions Part 1

Format	Color
Hex	62865E
RGB	98, 134, 94
RGB Percent	38%, 53%, 37%
CMY	0.6156, 0.4745, 0.6313
CMYK	0.27, 0.00, 0.30, 0.47
HSL	114°, 18%, 45%
HSV	114°, 30%, 53%
XYZ	15.5838, 20.4550, 13.7179
YIQ	118.6760, -8.6160, -20.0720

Conversions

Conversions Part 2

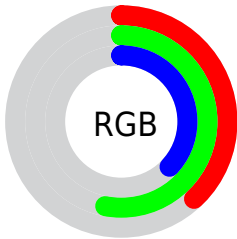
Format	Color
R_{YB}	94, 134, 130
Decimal	6456926
CIE _{Lab}	52.35, -20.94, 17.58
CIE _{LCh}	52, 27.340, 139.988
Yxy	20.4550, 0.3132, 0.4111
Android (android.graphics.Color)	4284647006 (0xFF62865E)
YUV	118.6760, -12.1653, -18.1329
Hunter-Lab	45.2272, -17.6424, 13.6757

Details

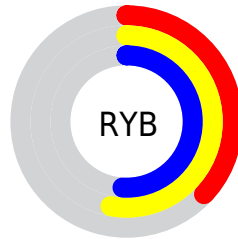
The Yxy color **20.4550, 0.3132, 0.4111** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **14.4731, 0.3104, 0.2566**, and the grayscale version is **18.3827, 0.3127, 0.3290**.

A 20% lighter version of the original color is **44.0690, 0.3139, 0.3902**, and **7.2240, 0.3116, 0.4503** is the 20% darker color. If you saturate the color by 10%, you get **19.6147, 0.3128, 0.4437**, and if you desaturate by 10%, it is **21.4398, 0.3133, 0.3807**.

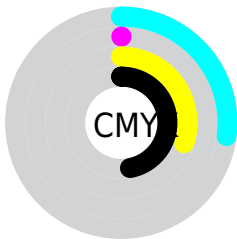
Distribution



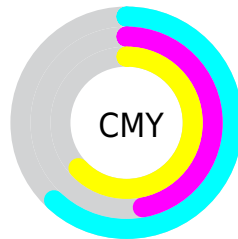
- Red (38%)
- Green (53%)
- Blue (37%)



- Red (37%)
- Yellow (53%)
- Blue (51%)



- Cyan (27%)
- Magenta (0%)
- Yellow (30%)
- Black (47%)




- Cyan (62%)
- Magenta (47%)
- Yellow (63%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.4550, 0.3132, 0.4111 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 20.4550, 0.3132, 0.4111 by changing the saturation by 10% instead.


 20.4550, 0.3132,
0.4111

 20.4550, 0.3132,
0.4111

254.3678, 0.3139,
0.3627


 12.7262, 0.3124,
0.4266


 44.1787, 0.3138,
0.3913


 7.2403, 0.3107,
0.4491


 60.9424, 0.3140,
0.3845

 3.6128, 0.3067,
0.4845

 81.4866, 0.3140,
0.3791

 1.4594, 0.3144,
0.5822

 106.1956, 0.3140,
0.3747

 0.2599, 0.0000,
1.0000

135.4538, 0.3140,
0.3709

 0.0000, 0.0000,
0.0000

169.6456, 0.3140,

0.3678

209.1555, 0.3140,
0.3650

■ 20.4550, 0.3132,
0.4111

■ 20.4550, 0.3132,
0.4111

■ 19.6147, 0.3128,
0.4437

■ 21.4398, 0.3133,
0.3807

■ 18.9097, 0.3120,
0.4774

■ 22.5729, 0.3131,
0.3532

■ 18.3337, 0.3108,
0.5105

■ 23.8608, 0.3127,
0.3286

■ 17.8788, 0.3092,
0.5409

■ 25.3091, 0.3122,
0.3070

■ 17.5362, 0.3072,
0.5662

■ 26.9232, 0.3117,
0.2882

■ 17.2961, 0.3049,
0.5847

■ 28.7080, 0.3111,
0.2718

■ 17.1409, 0.3032,
0.5973

■ 30.6684, 0.3105,
0.2575

■ 17.1389, 0.3032,
0.5975

■ 32.8089, 0.3099,
0.2452

■ 35.1340, 0.3093,
0.2345

Harmonies

Analogous

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



20.4550, 0.3620, 0.4196



20.4550, 0.3132, 0.4111



20.4550, 0.2665, 0.3738

Triad

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



20.4550, 0.3132, 0.4111



20.4550, 0.2307, 0.2549



20.4550, 0.3977, 0.3256

Complementary

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



20.4550, 0.3132, 0.4111



14.4731, 0.3104, 0.2566

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.



20.4550, 0.3569, 0.2889



20.4550, 0.3132, 0.4111



20.4550, 0.2602, 0.2493

Square

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



20.4550, 0.3132, 0.4111



20.4550, 0.2214, 0.2802



20.4550, 0.3057, 0.2618



20.4550, 0.4133, 0.3654

Rectangle

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



20.4550, 0.3132, 0.4111



20.4550, 0.2426, 0.3403



20.4550, 0.3057, 0.2618



20.4550, 0.3863, 0.3127

Sweetspot

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



20.4559, 0.3132, 0.4111



39.9099, 0.3131, 0.3515



21.6652, 0.3581, 0.3929



8.9308, 0.3131, 0.3548



67.3860, 0.3127, 0.3290



9.4630, 0.3127, 0.3290

Same Dimension

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



20.4559, 0.3132, 0.4111



34.9859, 0.3130, 0.4336



20.5416, 0.2940, 0.3793



5.2254, 0.3130, 0.3513



16.0644, 0.3033, 0.5974



0.0570, 0.3175, 0.5861

Inverse Universe

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



14.4731, 0.3104, 0.2566



22.6276, 0.3096, 0.2396



14.3990, 0.3377, 0.2836



4.7398, 0.3122, 0.3075



5.3962, 0.2965, 0.1407



0.0204, 0.3094, 0.1478

Previews

White Background



This preview shows how the Yxy color 20.4550, 0.3132, 0.4111 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 20.4550, 0.3132, 0.4111 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

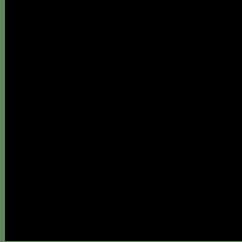
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.4550, 0.3132, 0.4111

Background



This preview shows how black text looks on a background with the Yxy color 20.4550, 0.3132, 0.4111.



This preview shows how white text looks on a background with the Yxy color 20.4550, 0.3132, 0.4111.

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

20.4550, 0.3132, 0.4111

Protanopia

20.2218, 0.3654, 0.3912

Deuteranopia

20.1677, 0.3754, 0.3674



Tritanopia

20.3666, 0.2773, 0.3082

Trichromacy



Original Color

20.4550, 0.3132, 0.4111

Protanomaly

20.2586, 0.3455, 0.4001

Deuteranomaly

19.9270, 0.3517, 0.3814

Tritanomaly

20.2789, 0.2898, 0.3427

Monochromacy



Original Color

20.4550, 0.3132, 0.4111

Achromatopsia

18.4475, 0.3127, 0.3290

Achromatomaly

18.9206, 0.3126, 0.3568

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.4550, 0.3132, 0.4111 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(98, 134, 94)` looks like.

```
.text, #text, p{  
    color:rgb(98, 134, 94)  
}
```

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(98, 134, 94) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(98, 134, 94) }
```

Border

The CSS property to change the border of an element to Yxy 20.4550, 0.3132, 0.4111 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(98, 134, 94) }
```

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

```
.border{ border-color:rgb(98, 134, 94) }
```

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

Here you see how a box with a 4 pixel `rgb(98, 134, 94)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(98, 134, 94); -webkit-box-  
shadow:4px 4px 4px 4px rgb(98, 134, 94);  
box-shadow:4px 4px 4px 4px rgb(98, 134,  
94) }
```


Background

The CSS property to change the background color of an element to Yxy 20.4550, 0.3132, 0.4111 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(98, 134, 94) }
```

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

```
.background{ background-color: rgb(98, 134,  
94) }
```

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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