

Converting Colors

$Y_{xy}(20.8591, 0.3095, 0.4404)$

Have a look what the booklet for
Yxy(20.8591, 0.3095, 0.4404)
contains.

Yxy(20.8591, 0.3095, 0.4404)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

$\text{Yxy}(20.8591, 0.3095, 0.4404)$

Conversions

Conversions Part 1

Format	Color
Hex	578A55
RGB	87, 138, 85
RGB Percent	34%, 54%, 33%
CMY	0.6588, 0.4588, 0.6667
CMYK	0.37, 0.00, 0.38, 0.46
HSL	118°, 24%, 44%
HSV	118°, 38%, 54%
XYZ	14.6592, 20.8591, 11.8457
YIQ	116.7090, -13.3830, -27.2950

Conversions

Conversions Part 2

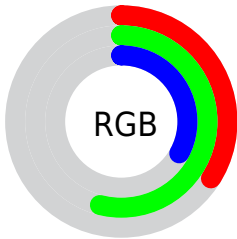
Format	Color
R_{YB}	85, 138, 136
Decimal	5737045
CIE _{Lab}	52.79, -28.39, 23.14
CIE _{LCh}	53, 36.623, 140.824
Yxy	20.8591, 0.3095, 0.4404
Android (android.graphics.Color)	4283927125 (0xFF578A55)
YUV	116.7090, -15.6325, -26.0548
Hunter-Lab	45.6718, -22.6329, 16.5924

Details

The Yxy color **20.8591, 0.3095, 0.4404** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **13.5632, 0.3141, 0.2369**, and the grayscale version is **17.7477, 0.3127, 0.3290**.

A 20% lighter version of the original color is **44.9375, 0.3118, 0.4137**, and **7.5192, 0.3026, 0.4926** is the 20% darker color. If you saturate the color by 10%, you get **20.0803, 0.3082, 0.4747**, and if you desaturate by 10%, it is **21.8000, 0.3106, 0.4075**.

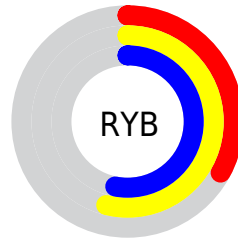
Distribution



Red (34%)

Green (54%)

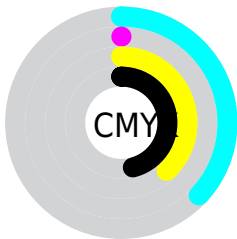
Blue (33%)



Red (33%)

Yellow (54%)

Blue (53%)

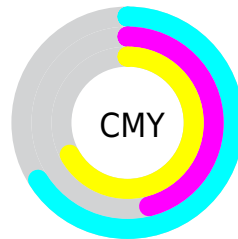


Cyan (37%)

Magenta (0%)

Yellow (38%)

Black (46%)



Cyan (66%)


Magenta (46%)


Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.8591, 0.3095, 0.4404 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 20.8591, 0.3095, 0.4404 by changing the saturation by 10% instead.


 20.8591, 0.3095,
0.4404


 20.8591, 0.3095,
0.4404


256.5287, 0.3132,
0.3742


 13.0210, 0.3072,
0.4617


 44.8529, 0.3116,
0.4132


 7.4430, 0.3030,
0.4926


 61.7775, 0.3122,
0.4040

 3.7407, 0.2942,
0.5409

 82.4997, 0.3125,
0.3966

 1.5296, 0.2993,
0.7007

 107.4039, 0.3128,
0.3905

 0.3094, 0.0000,
1.0000

 136.8745, 0.3129,
0.3854

 0.0000, 0.0000,
0.0000

171.2959, 0.3131,

0.3811

211.0525, 0.3131,
0.3774

■ 20.8591, 0.3095,
0.4404

■ 20.8591, 0.3095,
0.4404

■ 20.0803, 0.3082,
0.4747

■ 21.8000, 0.3106,
0.4075

■ 19.4519, 0.3067,
0.5087

■ 22.9085, 0.3115,
0.3770

■ 18.9651, 0.3051,
0.5400


■ 24.1932, 0.3122,
0.3496


■ 18.6087, 0.3036,
0.5662


■ 25.6614, 0.3128,
0.3254

■ 18.3703, 0.3021,
0.5852


■ 27.3198, 0.3132,
0.3042

 18.2298, 0.3012,
0.5973

 29.1749, 0.3135,
0.2858

 18.2114, 0.3012,
0.5991

 31.2329, 0.3138,
0.2700

 33.4996, 0.3139,
0.2563

 35.9807, 0.3140,
0.2445

Harmonies

Analogous

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



20.8591, 0.3737, 0.4499



20.8591, 0.3095, 0.4404



20.8591, 0.2495, 0.3877

Triad

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



20.8591, 0.3095, 0.4404



20.8591, 0.2075, 0.2318



20.8591, 0.4273, 0.3239

Complementary

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



20.8591, 0.3095, 0.4404



13.5632, 0.3141, 0.2369

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.



20.8591, 0.3728, 0.2778



20.8591, 0.3095, 0.4404



20.8591, 0.2451, 0.2267

Square

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



20.8591, 0.3095, 0.4404



20.8591, 0.1951, 0.2619



20.8591, 0.3043, 0.2434



20.8591, 0.4460, 0.3745

Rectangle

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



20.8591, 0.3095, 0.4404



20.8591, 0.2198, 0.3408



20.8591, 0.3043, 0.2434



20.8591, 0.4123, 0.3077

Sweetspot

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



20.8600, 0.3095, 0.4404



41.7358, 0.3120, 0.3598



23.4852, 0.3697, 0.4168



9.3062, 0.3119, 0.3627



69.2071, 0.3127, 0.3290



10.0482, 0.3127, 0.3290

Same Dimension

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



20.8600, 0.3095, 0.4404



35.5740, 0.3084, 0.4698



21.2091, 0.2860, 0.3892



5.6167, 0.3122, 0.3515



16.6984, 0.3012, 0.5990



0.1120, 0.3069, 0.5945

Inverse Universe

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



13.5632, 0.3141, 0.2369



20.8283, 0.3141, 0.2176



13.1172, 0.3531, 0.2761



5.1194, 0.3132, 0.3074



6.2363, 0.3117, 0.1491



0.0428, 0.3166, 0.1518

Previews

White Background



This preview shows how the Yxy color 20.8591, 0.3095, 0.4404 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 20.8591, 0.3095, 0.4404 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 20.8591, 0.3095, 0.4404

Background



This preview shows how black text looks on a background with the Yxy color 20.8591, 0.3095, 0.4404.



This preview shows how white text looks on a background with the Yxy color 20.8591, 0.3095, 0.4404.

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

20.8591, 0.3095, 0.4404

Protanopia

20.5648, 0.3803, 0.4095

Deuteranopia

20.5438, 0.3889, 0.3821



Tritanopia

20.7823, 0.2673, 0.3080

Trichromacy



Original Color

20.8591, 0.3095, 0.4404

Protanomaly

20.4964, 0.3518, 0.4213

Deuteranomaly

20.3189, 0.3557, 0.4025

Tritanomaly

20.8104, 0.2830, 0.3549

Monochromacy



Original Color

20.8591, 0.3095, 0.4404

Achromatopsia

17.7888, 0.3127, 0.3290

Achromatomaly

18.7513, 0.3120, 0.3696

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.8591, 0.3095, 0.4404 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(87, 138, 85)` looks like.

```
.text, #text, p{  
    color:rgb(87, 138, 85)  
}
```

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(87, 138, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 138, 85) }
```

Border

The CSS property to change the border of an element to Yxy 20.8591, 0.3095, 0.4404 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(87, 138, 85) }
```

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

```
.border{ border-color:rgb(87, 138, 85) }
```

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

Here you see how a box with a 4 pixel `rgb(87, 138, 85)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 138, 85); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 138, 85);  
box-shadow:4px 4px 4px 4px rgb(87, 138,  
85) }
```


Background

The CSS property to change the background color of an element to Yxy 20.8591, 0.3095, 0.4404 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 138, 85) }
```

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

```
.background{ background-color: rgb(87, 138,  
85) }
```

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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