

Converting Colors

$Y_{xy}(20.5901, 0.2483, 0.3237)$

Have a look what the booklet for
Yxy(20.5901, 0.2483, 0.3237)
contains.

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Color

$\text{Yxy}(20.7085, 0.2485, 0.3248)$

Conversions

Conversions Part 1

Format	Color
Hex	45888A
RGB	69, 136, 138
RGB Percent	27%, 53%, 54%
CMY	0.7295, 0.4666, 0.4588
CMYK	0.50, 0.01, 0.00, 0.46
HSL	182°, 33%, 41%
HSV	182°, 50%, 54%
XYZ	15.8438, 20.7085, 27.2054
YIQ	116.1950, -40.5740, -13.5820

Conversions

Conversions Part 2

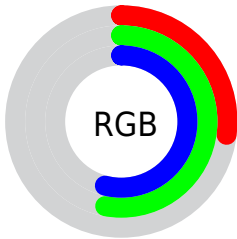
Format	Color
RYB	69, 103, 138
Decimal	4556938
CIELab	52.63, -20.64, -7.64
CIElCh	53, 22.008, 200.320
Yxy	20.7085, 0.2485, 0.3248
Android (android.graphics.Color)	4282747018 (0xFF45888A)
YUV	116.1950, 10.7499, -41.3900
Hunter-Lab	45.5066, -17.4891, -3.5910

Details

The Yxy color **20.7085, 0.2485, 0.3248** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **10.3335, 0.4449, 0.3330**, and the grayscale version is **17.5016, 0.3127, 0.3290**.

A 20% lighter version of the original color is **44.7995, 0.2630, 0.3274**, and **7.3860, 0.2243, 0.3224** is the 20% darker color. If you saturate the color by 10%, you get **20.1504, 0.2398, 0.3239**, and if you desaturate by 10%, it is **21.3860, 0.2589, 0.3257**.

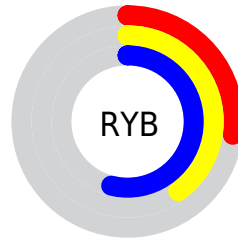
Distribution



Red (27%)

Green (53%)

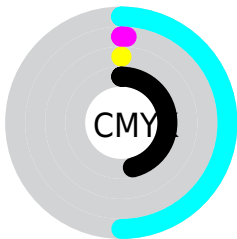
Blue (54%)



Red (27%)

Yellow (40%)

Blue (54%)

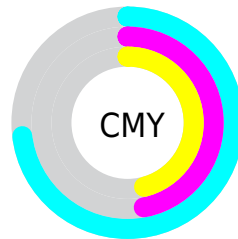


Cyan (50%)

Magenta (1%)

Yellow (0%)

Black (46%)



Cyan (73%)


Magenta (47%)


Yellow (46%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.7085, 0.2485, 0.3248 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 20.7085, 0.2485, 0.3248 by changing the saturation by 10% instead.


 20.7085, 0.2485,
0.3248


 20.7085, 0.2485,
0.3248


255.7253, 0.2843,
0.3279


 12.9111, 0.2381,
0.3235


 44.6019, 0.2625,
0.3263

 7.3674, 0.2239,
0.3214


 61.4667, 0.2674,
0.3267

 3.6929, 0.2030,
0.3177

 82.1227, 0.2715,
0.3270

 1.5033, 0.1701,
0.3100

 106.9543, 0.2749,
0.3273

 0.2910, 0.0000,
0.2548

 136.3460, 0.2778,
0.3275

 0.0000, 0.0000,
0.0000

170.6821, 0.2803,

0.3277

210.3471, 0.2824,
0.3278

■ 20.7085, 0.2485,
0.3248

■ 20.7085, 0.2485,
0.3248

■ 20.1504, 0.2398,
0.3239

■ 21.3860, 0.2589,
0.3257

■ 19.7010, 0.2329,
0.3229

■ 22.1879, 0.2707,
0.3266

■ 19.3518, 0.2278,
0.3220

■ 23.1219, 0.2838,
0.3275

■ 19.0918, 0.2245,
0.3211

■ 24.1944, 0.2979,
0.3283

■ 18.8904, 0.2223,
0.3202

■ 25.4112, 0.3127,
0.3290

■ 26.7781, 0.3280,
0.3297

■ 28.3001, 0.3434,
0.3303

■ 29.9825, 0.3589,
0.3309

■ 31.8300, 0.3741,
0.3313

Harmonies

Analogous

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



20.7085, 0.2754, 0.3641



20.7085, 0.2485, 0.3248



20.7085, 0.2382, 0.2900

Triad

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



20.7085, 0.2485, 0.3248



20.7085, 0.3079, 0.2741



20.7085, 0.3825, 0.3877

Complementary

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



20.7085, 0.2485, 0.3248



10.3335, 0.4449, 0.3330

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.



20.7085, 0.3933, 0.3600



20.7085, 0.2485, 0.3248



20.7085, 0.3488, 0.2968

Square

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



20.7085, 0.2485, 0.3248



20.7085, 0.2707, 0.2639



20.7085, 0.3809, 0.3274



20.7085, 0.3527, 0.4014

Rectangle

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



20.7085, 0.2485, 0.3248



20.7085, 0.2415, 0.2741



20.7085, 0.3809, 0.3274



20.7085, 0.3885, 0.3795

Sweetspot

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



20.7093, 0.2485, 0.3248



41.6161, 0.2903, 0.3278



19.8839, 0.3047, 0.4789



9.2585, 0.2878, 0.3277



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.



20.7093, 0.2485, 0.3248



35.4100, 0.2389, 0.3237



12.6671, 0.2348, 0.2516



5.6643, 0.2991, 0.3283



17.3244, 0.2223, 0.3202



0.1187, 0.2236, 0.3248

Inverse Universe

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



11.4331, 0.3212, 0.2154



17.1931, 0.3231, 0.1947



15.8609, 0.4117, 0.3941



5.1265, 0.3141, 0.3080



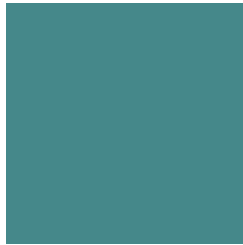
6.5331, 0.3280, 0.1581



0.0438, 0.3242, 0.1560

Previews

White Background



This preview shows how the Yxy color 20.7085, 0.2485, 0.3248 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 20.7085, 0.2485, 0.3248 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

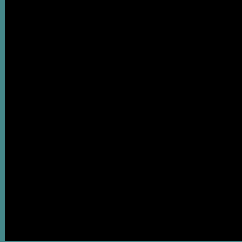
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.7085, 0.2485, 0.3248

Background



This preview shows how black text looks on a background with the Yxy color 20.7085, 0.2485, 0.3248.



This preview shows how white text looks on a background with the Yxy color 20.7085, 0.2485, 0.3248.

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

20.7085, 0.2485, 0.3248

Protanopia

20.4140, 0.3062, 0.3163

Deuteranopia

20.5880, 0.3012, 0.2957



Tritanopia

20.7810, 0.2443, 0.3072

Trichromacy



Original Color

20.7085, 0.2485, 0.3248

Protanomaly

20.1628, 0.2810, 0.3174

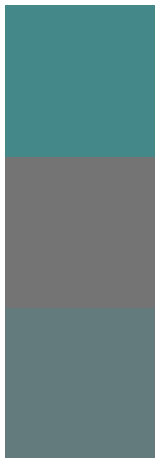
Deuteranomaly

20.2603, 0.2782, 0.3046

Tritanomaly

20.6507, 0.2458, 0.3129

Monochromacy



Original Color

20.7085, 0.2485, 0.3248

Achromatopsia

17.4647, 0.3127, 0.3290

Achromatomaly

18.2738, 0.2838, 0.3269

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.7085, 0.2485, 0.3248 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(69, 136, 138)` looks like.

```
.text, #text, p{  
  color:rgb(69, 136, 138)  
}
```

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(69, 136, 138) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(69, 136, 138) }
```

Border

The CSS property to change the border of an element to Yxy 20.7085, 0.2485, 0.3248 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(69, 136, 138) }
```

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

```
.border{ border-color:rgb(69, 136, 138) }
```

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

Here you see how a box with a 4 pixel `rgb(69, 136, 138)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(69, 136, 138); -webkit-box-  
shadow:4px 4px 4px 4px rgb(69, 136, 138);  
box-shadow:4px 4px 4px 4px rgb(69, 136,  
138) }
```


Background

The CSS property to change the background color of an element to Yxy 20.7085, 0.2485, 0.3248 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(69, 136, 138) }
```

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

```
.background{ background-color: rgb(69, 136,  
138) }
```

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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