

Converting Colors

$Y_{xy}(20.6556, 0.2590, 0.3290)$

Have a look what the booklet for
Yxy(20.6556, 0.2590, 0.3290)
contains.

Yxy(20.7546, 0.2594, 0.3308)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(20.7546, 0.2594, 0.3308)

Conversions

Conversions Part 1

Format	Color
Hex	508786
RGB	80, 135, 134
RGB Percent	31%, 53%, 53%
CMY	0.6864, 0.4706, 0.4744
CMYK	0.41, 0.00, 0.01, 0.47
HSL	179°, 26%, 42%
HSV	179°, 41%, 53%
XYZ	16.2749, 20.7546, 25.7111
YIQ	118.4410, -32.4590, -11.9710

Conversions

Conversions Part 2

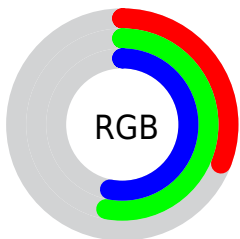
Format	Color
RYB	80, 108, 135
Decimal	5277574
CIELab	52.68, -18.38, -5.20
CIELCh	53, 19.107, 195.808
Yxy	20.7546, 0.2594, 0.3308
Android (android.graphics.Color)	4283467654 (0xFF508786)
YUV	118.4410, 7.6706, -33.7128
Hunter-Lab	45.5572, -15.9576, -1.5714

Details

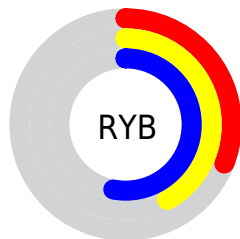
The Yxy color $20.7546, 0.2594, 0.3308$ is a dark color, and the websafe version is hex 669999 . A complement of this color would be $11.4784, 0.4091, 0.3274$, and the grayscale version is $18.2444, 0.3127, 0.3290$.

A 20% lighter version of the original color is $44.4598, 0.2709, 0.3303$, and $7.3701, 0.2388, 0.3320$ is the 20% darker color. If you saturate the color by 10%, you get $20.2191, 0.2496, 0.3313$, and if you desaturate by 10%, it is $21.4098, 0.2707, 0.3303$.

Distribution



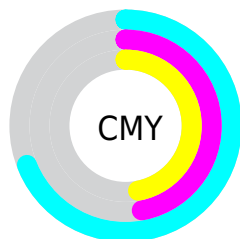
- Red (31%)
- Green (53%)
- Blue (53%)



- Red (31%)
- Yellow (42%)
- Blue (53%)



- Cyan (41%)
- Magenta (0%)
- Yellow (1%)
- Black (47%)




- Cyan (69%)
- Magenta (47%)
- Yellow (47%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 20.7546, 0.2594, 0.3308 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 20.7546, 0.2594, 0.3308 by changing the saturation by 10% instead.


 20.7546, 0.2594,
0.3308


 20.7546, 0.2594,
0.3308


255.9714, 0.2893,
0.3302


 12.9447, 0.2507,
0.3307


 44.6788, 0.2711,
0.3307


 7.3905, 0.2386,
0.3305


 61.5619, 0.2753,
0.3307

 3.7075, 0.2207,
0.3296

 82.2381, 0.2786,
0.3306

 1.5113, 0.1918,
0.3272

 107.0920, 0.2815,
0.3305

 0.2967, 0.0000,
0.3016

 136.5079, 0.2839,
0.3304

 0.0000, 0.0000,
0.0000

170.8702, 0.2859,

0.3304

210.5632, 0.2877,
0.3303

■ 20.7546, 0.2594,
0.3308

■ 20.7546, 0.2594,
0.3308

■ 20.2191, 0.2496,
0.3313

■ 21.4098, 0.2707,
0.3303

■ 19.7938, 0.2415,
0.3319

■ 22.1888, 0.2834,
0.3298

■ 19.4716, 0.2351,
0.3324


■ 23.0985, 0.2971,
0.3294

■ 19.2436, 0.2306,
0.3330


■ 24.1444, 0.3116,
0.3290

■ 19.0993, 0.2278,
0.3335

■ 25.3320, 0.3266,
0.3287

 19.0115, 0.2261,
0.3340

 26.6663, 0.3419,
0.3284

 28.1521, 0.3572,
0.3281

 29.7938, 0.3724,
0.3279

 31.5960, 0.3872,
0.3277

Harmonies

Analogous

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



20.7546, 0.2850, 0.3640



20.7546, 0.2594, 0.3308



20.7546, 0.2479, 0.2994

Triad

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



20.7546, 0.2594, 0.3308



20.7546, 0.3034, 0.2787



20.7546, 0.3760, 0.3774

Complementary

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



20.7546, 0.2594, 0.3308



11.4784, 0.4091, 0.3274

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.



20.7546, 0.3822, 0.3524



20.7546, 0.2594, 0.3308



20.7546, 0.3390, 0.2973

Square

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



20.7546, 0.2594, 0.3308



20.7546, 0.2721, 0.2717



20.7546, 0.3685, 0.3236



20.7546, 0.3524, 0.3910

Rectangle

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



20.7546, 0.2594, 0.3308



20.7546, 0.2491, 0.2840



20.7546, 0.3685, 0.3236



20.7546, 0.3802, 0.3699

Sweetspot

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



20.7554, 0.2594, 0.3308



41.1012, 0.2950, 0.3295



19.6932, 0.3089, 0.4482



9.4758, 0.2935, 0.3295



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.



20.7554, 0.2594, 0.3308



36.2636, 0.2502, 0.3313



14.4604, 0.2503, 0.2746



5.2775, 0.2994, 0.3294



17.5301, 0.2261, 0.3340



0.0608, 0.2253, 0.3312

Inverse Universe

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



11.4784, 0.4091, 0.3274



17.2519, 0.4443, 0.3272



15.9673, 0.3913, 0.3773



4.6900, 0.3277, 0.3287



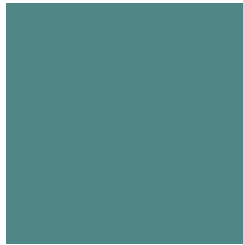
4.7549, 0.6372, 0.3284



0.0166, 0.6243, 0.3213

Previews

White Background



This preview shows how the Yxy color 20.7546, 0.2594, 0.3308 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 20.7546, 0.2594, 0.3308 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

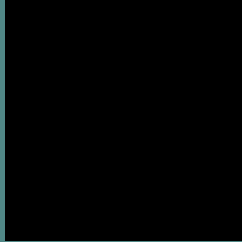
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.7546, 0.2594, 0.3308

Background



This preview shows how black text looks on a background with the Yxy color 20.7546, 0.2594, 0.3308.



This preview shows how white text looks on a background with the Yxy color 20.7546, 0.2594, 0.3308.

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

20.7546, 0.2594, 0.3308

Protanopia

20.4858, 0.3119, 0.3217

Deuteranopia

20.6307, 0.3079, 0.3027



Tritanopia

20.6277, 0.2532, 0.3075

Trichromacy



Original Color

20.7546, 0.2594, 0.3308

Protanomaly

20.3650, 0.2902, 0.3251

Deuteranomaly

20.4670, 0.2874, 0.3122

Tritanomaly

20.7375, 0.2559, 0.3171

Monochromacy



Original Color

20.7546, 0.2594, 0.3308

Achromatopsia

18.1164, 0.3127, 0.3290

Achromatomaly

18.8136, 0.2894, 0.3289

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.7546, 0.2594, 0.3308 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(80, 135, 134)` looks like.

```
.text, #text, p{  
    color:rgb(80, 135, 134)  
}
```

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(80, 135, 134) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 135, 134) }
```

Border

The CSS property to change the border of an element to Yxy 20.7546, 0.2594, 0.3308 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(80, 135, 134) }
```

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

```
.border{ border-color:rgb(80, 135, 134) }
```

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

Here you see how a box with a 4 pixel `rgb(80, 135, 134)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 135, 134); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 135, 134);  
box-shadow:4px 4px 4px 4px rgb(80, 135,  
134) }
```


Background

The CSS property to change the background color of an element to Yxy 20.7546, 0.2594, 0.3308 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 135, 134) }
```

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

```
.background{ background-color: rgb(80, 135,  
134) }
```

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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