

Converting Colors

$Y_{xy}(21.2990, 0.2621, 0.3396)$

Have a look what the booklet for
Yxy(21.2990, 0.2621, 0.3396)
contains.

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Color

$\text{Yxy}(21.2627, 0.2617, 0.3388)$

Conversions

Conversions Part 1

Format	Color
Hex	508984
RGB	80, 137, 132
RGB Percent	31%, 54%, 52%
CMY	0.6860, 0.4628, 0.4823
CMYK	0.42, 0.00, 0.04, 0.46
HSL	175°, 26%, 43%
HSV	175°, 42%, 54%
XYZ	16.4240, 21.2627, 25.0722
YIQ	119.3870, -32.3670, -13.6390

Conversions

Conversions Part 2

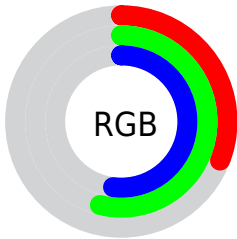
Format	Color
RYB	80, 110, 137
Decimal	5278084
CIELab	53.24, -19.94, -3.21
CIElCh	53, 20.193, 189.158
Yxy	21.2627, 0.2617, 0.3388
Android (android.graphics.Color)	4283468164 (0xFF508984)
YUV	119.3870, 6.2182, -34.5424
Hunter-Lab	46.1115, -17.1170, 0.0403

Details

The Yxy color **21.2627, 0.2617, 0.3388** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **11.7227, 0.4048, 0.3199**, and the grayscale version is **18.5703, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.6699, 0.2727, 0.3374**, and **7.6739, 0.2412, 0.3415** is the 20% darker color. If you saturate the color by 10%, you get **20.6935, 0.2525, 0.3415**, and if you desaturate by 10%, it is **21.9556, 0.2723, 0.3362**.

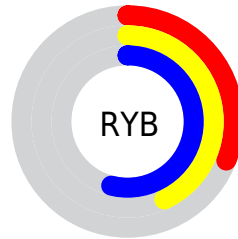
Distribution



Red (31%)

Green (54%)

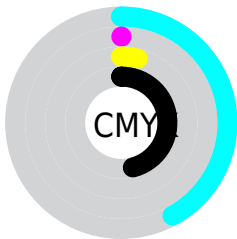
Blue (52%)



Red (31%)

Yellow (43%)

Blue (54%)

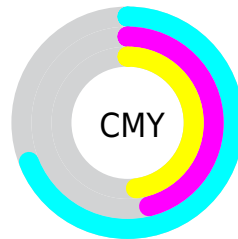


Cyan (42%)

Magenta (0%)

Yellow (4%)

Black (46%)



Cyan (69%)

Magenta (46%)

Yellow (48%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 21.2627, 0.2617, 0.3388 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 21.2627, 0.2617, 0.3388 by changing the saturation by 10% instead.

21.2627, 0.2617,
0.3388

21.2627, 0.2617,
0.3388

258.6713, 0.2902,
0.3336

13.3162, 0.2534,
0.3402

45.5243, 0.2729,
0.3368

7.6466, 0.2418,
0.3420

62.6082, 0.2769,
0.3361

3.8697, 0.2247,
0.3444

83.5067, 0.2801,
0.3355

1.6009, 0.1970,
0.3475

108.6041, 0.2828,
0.3350

0.3582, 0.0000,
0.3682

138.2849, 0.2851,
0.3346

0.0000, 0.0000,
0.0000

172.9334, 0.2871,

0.3342

212.9341, 0.2888,
0.3339

■ 21.2627, 0.2617,
0.3388

■ 21.2627, 0.2617,
0.3388

■ 20.6935, 0.2525,
0.3415

■ 21.9556, 0.2723,
0.3362

■ 20.2381, 0.2450,
0.3444

■ 22.7764, 0.2842,
0.3337

■ 19.8889, 0.2393,
0.3472


■ 23.7324, 0.2970,
0.3314


■ 19.6368, 0.2353,
0.3501


■ 24.8293, 0.3106,
0.3293

■ 19.4706, 0.2331,
0.3530


■ 26.0728, 0.3246,
0.3274

 19.3693, 0.2321,
0.3554

 27.4682, 0.3388,
0.3257

 29.0203, 0.3530,
0.3242

 30.7339, 0.3671,
0.3228

 32.6136, 0.3808,
0.3217

Harmonies

Analogous

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



21.2627, 0.2910, 0.3724



21.2627, 0.2617, 0.3388



21.2627, 0.2461, 0.3044

Triad

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



21.2627, 0.2617, 0.3388



21.2627, 0.2949, 0.2737



21.2627, 0.3822, 0.3745

Complementary

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



21.2627, 0.2617, 0.3388



11.7227, 0.4048, 0.3199

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.



21.2627, 0.3842, 0.3468



21.2627, 0.2617, 0.3388



21.2627, 0.3321, 0.2907

Square

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



21.2627, 0.2617, 0.3388



21.2627, 0.2644, 0.2694



21.2627, 0.3655, 0.3167



21.2627, 0.3609, 0.3922

Rectangle

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



21.2627, 0.2617, 0.3388



21.2627, 0.2449, 0.2865



21.2627, 0.3655, 0.3167



21.2627, 0.3853, 0.3659

Sweetspot

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



21.2635, 0.2617, 0.3388



42.3757, 0.2961, 0.3316



20.4362, 0.3127, 0.4497



9.4612, 0.2947, 0.3318



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.



21.2635, 0.2617, 0.3388



37.1050, 0.2529, 0.3414



15.6000, 0.2503, 0.2815



5.6812, 0.3002, 0.3309



18.0463, 0.2321, 0.3554



0.1209, 0.2281, 0.3411

Inverse Universe

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



11.7227, 0.4048, 0.3199



17.5748, 0.4386, 0.3181



15.5669, 0.3962, 0.3715



5.0552, 0.3267, 0.3271



4.9796, 0.6265, 0.3225



0.0339, 0.5713, 0.2921

Previews

White Background



This preview shows how the Yxy color 21.2627, 0.2617, 0.3388 looks on a white background.

Color Contrast Check

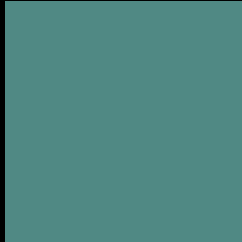
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.2627, 0.2617, 0.3388 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

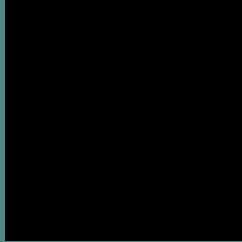
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.2627, 0.2617, 0.3388

Background



This preview shows how black text looks on a background with the Yxy color 21.2627, 0.2617, 0.3388.



This preview shows how white text looks on a background with the Yxy color 21.2627, 0.2617, 0.3388.

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

21.2627, 0.2617, 0.3388

Protanopia

21.0952, 0.3163, 0.3290

Deuteranopia

21.0661, 0.3137, 0.3081



Tritanopia

21.2881, 0.2531, 0.3077

Trichromacy



Original Color

21.2627, 0.2617, 0.3388

Protanomaly

20.9033, 0.2934, 0.3327

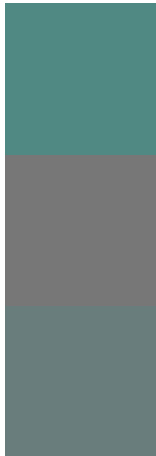
Deuteranomaly

20.8044, 0.2917, 0.3178

Tritanomaly

21.3704, 0.2565, 0.3191

Monochromacy



Original Color

21.2627, 0.2617, 0.3388

Achromatopsia

18.4475, 0.3127, 0.3290

Achromatomaly

19.3802, 0.2907, 0.3329

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.2627, 0.2617, 0.3388 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, 137, 132)` looks like.

```
.text, #text, p{  
  color:rgb(80, 137, 132)  
}
```

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, 137, 132) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 137, 132) }
```

Border

The CSS property to change the border of an element to Yxy 21.2627, 0.2617, 0.3388 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, 137, 132) }
```

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

```
.border{ border-color:rgb(80, 137, 132) }
```

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

Here you see how a box with a 4 pixel `rgb(80, 137, 132)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 137, 132); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 137, 132);  
box-shadow:4px 4px 4px 4px rgb(80, 137,  
132) }
```


Background

The CSS property to change the background color of an element to Yxy 21.2627, 0.2617, 0.3388 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 137, 132) }
```

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

```
.background{ background-color: rgb(80, 137,  
132) }
```

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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