

Converting Colors

$Yxy(21.2051, 0.2684, 0.3321)$

Have a look what the booklet for
Yxy(21.2051, 0.2684, 0.3321)
contains.

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Color

$\text{Yxy}(21.1951, 0.2687, 0.3328)$

Conversions

Conversions Part 1

Format	Color
Hex	5A8785
RGB	90, 135, 133
RGB Percent	35%, 53%, 52%
CMY	0.6471, 0.4706, 0.4784
CMYK	0.33, 0.00, 0.01, 0.47
HSL	177°, 20%, 44%
HSV	177°, 33%, 53%
XYZ	17.1128, 21.1951, 25.3793
YIQ	121.3170, -26.1780, -10.1620

Conversions

Conversions Part 2

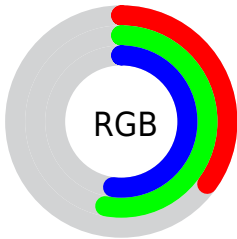
Format	Color
R_{YB}	90, 113, 135
Decimal	5932933
CIE _{Lab}	53.16, -15.78, -3.84
CIE _{LCh}	53, 16.240, 193.674
Yxy	21.1951, 0.2687, 0.3328
Android (android.graphics.Color)	4284123013 (0xFF5A8785)
YUV	121.3170, 5.7597, -27.4650
Hunter-Lab	46.0381, -14.2168, -0.4580

Details

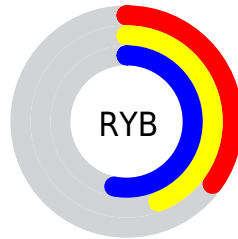
The Yxy color **21.1951, 0.2687, 0.3328** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **13.2335, 0.3831, 0.3254**, and the grayscale version is **19.2150, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.2624, 0.2785, 0.3317**, and **7.6085, 0.2514, 0.3319** is the 20% darker color. If you saturate the color by 10%, you get **20.5629, 0.2580, 0.3341**, and if you desaturate by 10%, it is **21.9521, 0.2808, 0.3316**.

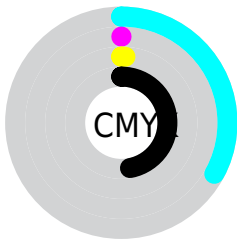
Distribution



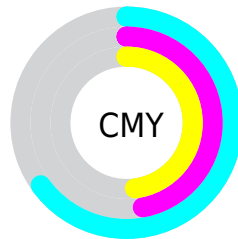
- Red (35%)
- Green (53%)
- Blue (52%)



- Red (35%)
- Yellow (44%)
- Blue (53%)



- Cyan (33%)
- Magenta (0%)
- Yellow (1%)
- Black (47%)





- Cyan (65%)
- Magenta (47%)
- Yellow (48%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 21.1951, 0.2687, 0.3328 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 21.1951, 0.2687, 0.3328 by changing the saturation by 10% instead.


 21.1951, 0.2687,
0.3328


 21.1951, 0.2687,
0.3328


258.3135, 0.2934,
0.3310


 13.2667, 0.2615,
0.3332


 45.4120, 0.2784,
0.3322

 7.6124, 0.2514,
0.3337


 62.4693, 0.2818,
0.3319

 3.8480, 0.2365,
0.3341

 83.3383, 0.2846,
0.3317

 1.5889, 0.2123,
0.3341

 108.4035, 0.2869,
0.3315

 0.3501, 0.0000,
0.3502

138.0492, 0.2889,
0.3313

 0.0000, 0.0000,
0.0000

172.6599, 0.2906,

0.3312

212.6198, 0.2921,
0.3311

■ 21.1951, 0.2687,
0.3328

■ 21.1951, 0.2687,
0.3328

■ 20.5629, 0.2580,
0.3341

■ 21.9521, 0.2808,
0.3316

■ 20.0462, 0.2488,
0.3355

■ 22.8374, 0.2939,
0.3304

■ 19.6387, 0.2413,
0.3369


■ 23.8577, 0.3079,
0.3293


■ 19.3321, 0.2356,
0.3383


■ 25.0184, 0.3224,
0.3284

■ 19.1173, 0.2316,
0.3397


■ 26.3246, 0.3373,
0.3275

 18.9830, 0.2294,
0.3411

 27.7811, 0.3522,
0.3267

 18.9144, 0.2284,
0.3421

 29.3925, 0.3669,
0.3260

 31.1634, 0.3815,
0.3255

 33.0978, 0.3955,
0.3250

Harmonies

Analogous

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



21.1951, 0.2913, 0.3600



21.1951, 0.2687, 0.3328



21.1951, 0.2578, 0.3060

Triad

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



21.1951, 0.2687, 0.3328



21.1951, 0.3029, 0.2853



21.1951, 0.3671, 0.3690

Complementary

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



21.1951, 0.2687, 0.3328



13.2335, 0.3831, 0.3254

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.



21.1951, 0.3710, 0.3476



21.1951, 0.2687, 0.3328



21.1951, 0.3330, 0.3006

Square

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



21.1951, 0.2687, 0.3328



21.1951, 0.2768, 0.2802



21.1951, 0.3583, 0.3229



21.1951, 0.3482, 0.3809

Rectangle

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



21.1951, 0.2687, 0.3328



21.1951, 0.2581, 0.2923



21.1951, 0.3583, 0.3229



21.1951, 0.3702, 0.3626

Sweetspot

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



21.1959, 0.2687, 0.3328



41.4379, 0.2982, 0.3301



20.3550, 0.3107, 0.4231



9.5465, 0.2965, 0.3302



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.



21.1959, 0.2687, 0.3328



37.0789, 0.2605, 0.3338



16.1259, 0.2620, 0.2876



5.2754, 0.2998, 0.3299



17.4403, 0.2283, 0.3420



0.0607, 0.2264, 0.3349

Inverse Universe

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



13.2335, 0.3831, 0.3254



20.5417, 0.4069, 0.3246



17.0938, 0.3744, 0.3670



4.6918, 0.3273, 0.3281



4.7625, 0.6330, 0.3261



0.0167, 0.6024, 0.3092

Previews

White Background



This preview shows how the Yxy color 21.1951, 0.2687, 0.3328 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 21.1951, 0.2687, 0.3328 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

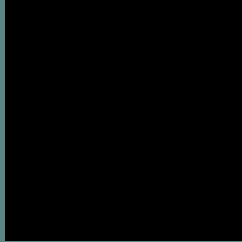
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.1951, 0.2687, 0.3328

Background



This preview shows how black text looks on a background with the Yxy color 21.1951, 0.2687, 0.3328.



This preview shows how white text looks on a background with the Yxy color 21.1951, 0.2687, 0.3328.

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

21.1951, 0.2687, 0.3328

Protanopia

21.0694, 0.3129, 0.3254

Deuteranopia

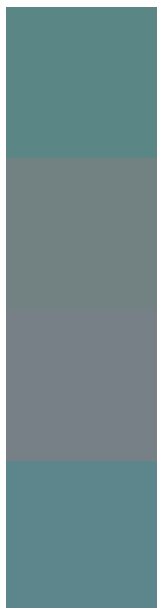
21.0944, 0.3126, 0.3064



Tritanopia

21.1158, 0.2616, 0.3080

Trichromacy



Original Color

21.1951, 0.2687, 0.3328

Protanomaly

20.8896, 0.2947, 0.3271

Deuteranomaly

20.8500, 0.2950, 0.3143

Tritanomaly

21.2190, 0.2643, 0.3173

Monochromacy



Original Color

21.1951, 0.2687, 0.3328

Achromatopsia

19.1202, 0.3127, 0.3290

Achromatomaly

19.7174, 0.2952, 0.3309

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.1951, 0.2687, 0.3328 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(90, 135, 133)` looks like.

```
.text, #text, p{  
  color:rgb(90, 135, 133)  
}
```

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(90, 135, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 135, 133) }
```

Border

The CSS property to change the border of an element to Yxy 21.1951, 0.2687, 0.3328 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(90, 135, 133) }
```

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

```
.border{ border-color:rgb(90, 135, 133) }
```

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

Here you see how a box with a 4 pixel `rgb(90, 135, 133)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 135, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 135, 133);  
box-shadow:4px 4px 4px 4px rgb(90, 135,  
133) }
```


Background

The CSS property to change the background color of an element to Yxy 21.1951, 0.2687, 0.3328 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(90, 135, 133) }
```

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

```
.background{ background-color: rgb(90, 135,  
133) }
```

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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