

Converting Colors

$Yxy(21.6705, 0.2471, 0.3233)$

Have a look what the booklet for
Yxy(21.6705, 0.2471, 0.3233)
contains.

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Color

Yxy(21.6834, 0.2467, 0.3229)

Conversions

Conversions Part 1

Format	Color
Hex	458B8E
RGB	69, 139, 142
RGB Percent	27%, 55%, 56%
CMY	0.7296, 0.4549, 0.4431
CMYK	0.51, 0.02, 0.00, 0.44
HSL	182°, 35%, 41%
HSV	182°, 51%, 56%
XYZ	16.5664, 21.6834, 28.9022
YIQ	118.4120, -42.6830, -13.9070

Conversions

Conversions Part 2

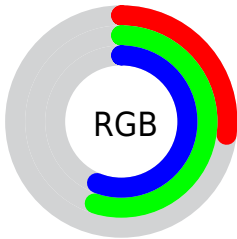
Format	Color
R_{YB}	69, 105, 142
Decimal	4557710
CIE _{Lab}	53.69, -21.09, -8.38
CIE _{LCh}	54, 22.693, 201.673
Yxy	21.6834, 0.2467, 0.3229
Android (android.graphics.Color)	4282747790 (0xFF458B8E)
YUV	118.4120, 11.6289, -43.3343
Hunter-Lab	46.5654, -17.9852, -4.2043

Details

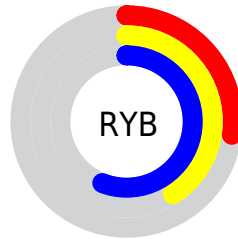
The Yxy color **21.6834, 0.2467, 0.3229** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **10.8067, 0.4503, 0.3347**, and the grayscale version is **18.2222, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.3364, 0.2606, 0.3246**, and **7.9239, 0.2224, 0.3195** is the 20% darker color. If you saturate the color by 10%, you get **21.0582, 0.2381, 0.3216**, and if you desaturate by 10%, it is **22.4354, 0.2570, 0.3242**.

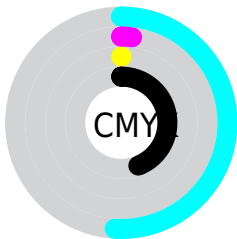
Distribution



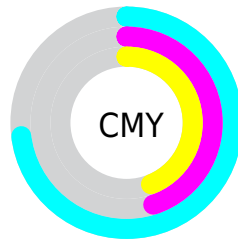
- Red (27%)
- Green (55%)
- Blue (56%)



- Red (27%)
- Yellow (41%)
- Blue (56%)



- Cyan (51%)
- Magenta (2%)
- Yellow (0%)
- Black (44%)





- Cyan (73%)
- Magenta (45%)
- Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.6834, 0.2467, 0.3229 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 21.6834, 0.2467, 0.3229 by changing the saturation by 10% instead.


 21.6834, 0.2467,
0.3229


 21.6834, 0.2467,
0.3229


260.8884, 0.2832,
0.3271


 13.6245, 0.2363,
0.3213


 46.2222, 0.2609,
0.3248

 7.8599, 0.2220,
0.3188


 63.4708, 0.2659,
0.3254


 4.0055, 0.2014,
0.3144

 84.5514, 0.2701,
0.3258

 1.6766, 0.1694,
0.3058

 109.8484, 0.2736,
0.3262

 0.4084, 0.0000,
0.2835

 139.7462, 0.2765,
0.3265

 0.0000, 0.0000,
0.0000

174.6292, 0.2791,

0.3267

214.8818, 0.2813,
0.3269

■ 21.6834, 0.2467,
0.3229

■ 21.6834, 0.2467,
0.3229

■ 21.0582, 0.2381,
0.3216

■ 22.4354, 0.2570,
0.3242

■ 20.5483, 0.2314,
0.3202

■ 23.3199, 0.2687,
0.3255

■ 20.1442, 0.2264,
0.3189

■ 24.3450, 0.2817,
0.3267

■ 19.8341, 0.2232,
0.3176

■ 25.5178, 0.2958,
0.3278

■ 19.6142, 0.2212,
0.3165

■ 26.8446, 0.3105,
0.3289

■ 28.3315, 0.3258,
0.3298

■ 29.9841, 0.3412,
0.3307

■ 31.8080, 0.3567,
0.3315

■ 33.8083, 0.3719,
0.3322

Harmonies

Analogous

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



21.6834, 0.2733, 0.3630



21.6834, 0.2467, 0.3229



21.6834, 0.2371, 0.2881

Triad

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



21.6834, 0.2467, 0.3229



21.6834, 0.3097, 0.2742



21.6834, 0.3825, 0.3895

Complementary

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



21.6834, 0.2467, 0.3229



10.8067, 0.4503, 0.3347

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.



21.6834, 0.3946, 0.3619



21.6834, 0.2467, 0.3229



21.6834, 0.3511, 0.2976

Square

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



21.6834, 0.2467, 0.3229



21.6834, 0.2716, 0.2631



21.6834, 0.3830, 0.3288



21.6834, 0.3516, 0.4027

Rectangle

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



21.6834, 0.2467, 0.3229



21.6834, 0.2410, 0.2725



21.6834, 0.3830, 0.3288



21.6834, 0.3890, 0.3814

Sweetspot

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



21.6842, 0.2467, 0.3229



44.1678, 0.2902, 0.3274



21.0688, 0.3035, 0.4817



9.7796, 0.2876, 0.3272



71.0566, 0.3127, 0.3290



10.6539, 0.3127, 0.3290

Same Dimension

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



21.6842, 0.2467, 0.3229



36.9544, 0.2367, 0.3213



12.9248, 0.2319, 0.2459



6.0790, 0.2991, 0.3281



17.6178, 0.2213, 0.3165



0.1760, 0.2231, 0.3231

Inverse Universe

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



11.8652, 0.3228, 0.2135



17.7447, 0.3252, 0.1925



16.8857, 0.4144, 0.3980



5.5073, 0.3143, 0.3082



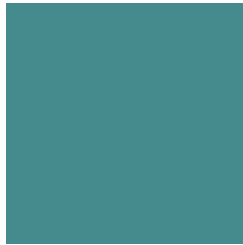
6.7649, 0.3311, 0.1598



0.0654, 0.3256, 0.1567

Previews

White Background



This preview shows how the Yxy color 21.6834, 0.2467, 0.3229 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 21.6834, 0.2467, 0.3229 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

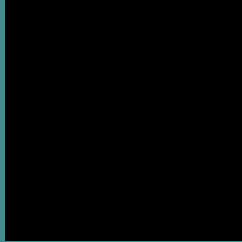
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.6834, 0.2467, 0.3229

Background



This preview shows how black text looks on a background with the Yxy color 21.6834, 0.2467, 0.3229.



This preview shows how white text looks on a background with the Yxy color 21.6834, 0.2467, 0.3229.

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

21.6834, 0.2467, 0.3229

Protanopia

21.5172, 0.3052, 0.3148

Deuteranopia

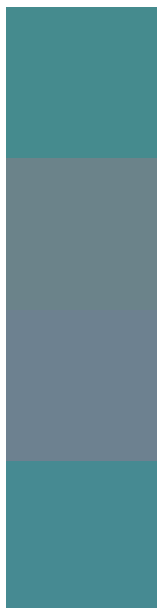
21.3652, 0.2993, 0.2928



Tritanopia

21.6865, 0.2427, 0.3075

Trichromacy



Original Color

21.6834, 0.2467, 0.3229

Protanomaly

21.1934, 0.2797, 0.3158

Deuteranomaly

20.9653, 0.2758, 0.3013

Tritanomaly

21.5544, 0.2441, 0.3132

Monochromacy



Original Color

21.6834, 0.2467, 0.3229

Achromatopsia

18.1164, 0.3127, 0.3290

Achromatomaly

19.1633, 0.2823, 0.3269

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.6834, 0.2467, 0.3229 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, 139, 142)` looks like.

```
.text, #text, p{  
  color:rgb(69, 139, 142)  
}
```

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, 139, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(69, 139, 142) }
```

Border

The CSS property to change the border of an element to Yxy 21.6834, 0.2467, 0.3229 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, 139, 142) }
```

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

```
.border{ border-color:rgb(69, 139, 142) }
```

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

Here you see how a box with a 4 pixel `rgb(69, 139, 142)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(69, 139, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(69, 139, 142);  
box-shadow:4px 4px 4px 4px rgb(69, 139,  
142) }
```


Background

The CSS property to change the background color of an element to Yxy 21.6834, 0.2467, 0.3229 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(69, 139, 142) }
```

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

```
.background{ background-color: rgb(69, 139,  
142) }
```

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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