

Converting Colors

$Y_{xy}(20.2347, 0.2496, 0.3291)$

Have a look what the booklet for
Yxy(20.2347, 0.2496, 0.3291)
contains.

Yxy(20.3062, 0.2497, 0.3288)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

$\text{Yxy}(20.3062, 0.2497, 0.3288)$

Conversions

Conversions Part 1

Format	Color
Hex	448787
RGB	68, 135, 135
RGB Percent	27%, 53%, 53%
CMY	0.7334, 0.4706, 0.4706
CMYK	0.50, 0.00, 0.00, 0.47
HSL	180°, 33%, 40%
HSV	180°, 50%, 53%
XYZ	15.4211, 20.3062, 26.0312
YIQ	114.9670, -39.9320, -14.2040

Conversions

Conversions Part 2

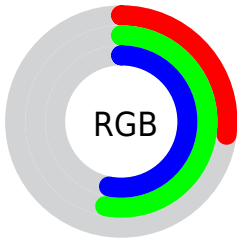
Format	Color
RYB	68, 102, 135
Decimal	4491143
CIELab	52.18, -21.18, -6.57
CIELCh	52, 22.177, 197.246
Yxy	20.3062, 0.2497, 0.3288
Android (android.graphics.Color)	4282681223 (0xFF448787)
YUV	114.9670, 9.8763, -41.1901
Hunter-Lab	45.0624, -17.7735, -2.7064




Details

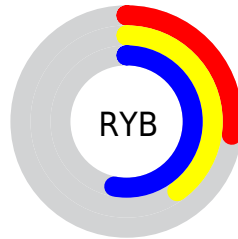
The Yxy color **20.3062, 0.2497, 0.3288** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **9.7033, 0.4448, 0.3294**, and the grayscale version is **17.1126, 0.3127, 0.3290**.




A 20% lighter version of the original color is **44.1636, 0.2640, 0.3303**, and **7.1722, 0.2258, 0.3287** is the 20% darker color. If you saturate the color by 10%, you get **19.8759, 0.2413, 0.3288**, and if you desaturate by 10%, it is **20.8499, 0.2598, 0.3288**.

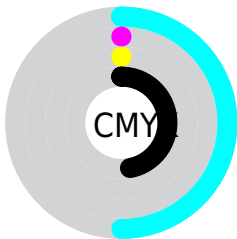
Distribution







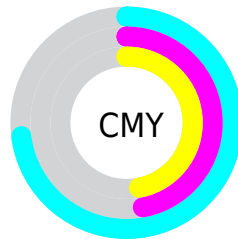
-  Red (27%)
-  Green (53%)
-  Blue (53%)






-  Red (27%)
-  Yellow (40%)
-  Blue (53%)



-  Cyan (50%)
-  Magenta (0%)
-  Yellow (0%)
-  Black (47%)




-  Cyan (73%)
-  Magenta (47%)
-  Yellow (47%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.3062, 0.2497, 0.3288 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 20.3062, 0.2497, 0.3288 by changing the saturation by 10% instead.


 20.3062, 0.2497,
0.3288


 20.3062, 0.2497,
0.3288


253.5680, 0.2850,
0.3296


 12.6178, 0.2394,
0.3282


 43.9300, 0.2635,
0.3293

 7.1659, 0.2252,
0.3272


 60.6341, 0.2684,
0.3294


 3.5661, 0.2043,
0.3249

 81.1123, 0.2724,
0.3295

 1.4339, 0.1706,
0.3198

 105.7490, 0.2758,
0.3295

 0.2415, 0.0000,
0.2505

 134.9285, 0.2786,
0.3296

 0.0000, 0.0000,
0.0000

169.0352, 0.2810,

0.3296

208.4536, 0.2831,
0.3296

■ 20.3062, 0.2497,
0.3288

■ 20.3062, 0.2497,
0.3288

■ 19.8759, 0.2413,
0.3288

■ 20.8499, 0.2598,
0.3288

■ 19.5488, 0.2346,
0.3288

■ 21.5116, 0.2715,
0.3289

■ 19.3170, 0.2298,
0.3287


■ 22.2987, 0.2844,
0.3289


■ 19.1702, 0.2267,
0.3287

■ 23.2170, 0.2985,
0.3290


■ 19.0797, 0.2247,
0.3287

■ 24.2723, 0.3133,
0.3290

 19.0765, 0.2247,
0.3287

 25.4698, 0.3286,
0.3291

 26.8146, 0.3442,
0.3291

 28.3113, 0.3598,
0.3291

 29.9645, 0.3752,
0.3292

Harmonies

Analogous

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



20.3062, 0.2784, 0.3685



20.3062, 0.2497, 0.3288



20.3062, 0.2375, 0.2925

Triad

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



20.3062, 0.2497, 0.3288



20.3062, 0.3036, 0.2717



20.3062, 0.3856, 0.3860

Complementary

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



20.3062, 0.2497, 0.3288



9.7033, 0.4448, 0.3294

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.



20.3062, 0.3943, 0.3571



20.3062, 0.2497, 0.3288



20.3062, 0.3452, 0.2935

Square

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



20.3062, 0.2497, 0.3288



20.3062, 0.2669, 0.2628



20.3062, 0.3793, 0.3239



20.3062, 0.3569, 0.4019

Rectangle

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



20.3062, 0.2497, 0.3288



20.3062, 0.2395, 0.2754



20.3062, 0.3793, 0.3239



20.3062, 0.3910, 0.3774

Sweetspot

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



20.3070, 0.2497, 0.3288



40.6049, 0.2904, 0.3289



18.9764, 0.3056, 0.4797



9.3354, 0.2878, 0.3289



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.



20.3070, 0.2497, 0.3288



35.4763, 0.2400, 0.3288



12.3834, 0.2360, 0.2550



5.2788, 0.2992, 0.3290



17.5885, 0.2247, 0.3287



0.0609, 0.2247, 0.3287

Inverse Universe

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



11.0346, 0.3181, 0.2136



16.7845, 0.3192, 0.1918



14.9741, 0.4116, 0.3916



4.7628, 0.3137, 0.3076



6.3625, 0.3209, 0.1542



0.0220, 0.3209, 0.1542

Previews

White Background



This preview shows how the Yxy color 20.3062, 0.2497, 0.3288 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 20.3062, 0.2497, 0.3288 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

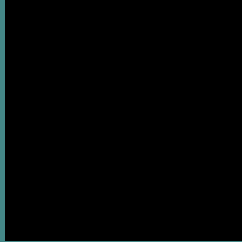
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

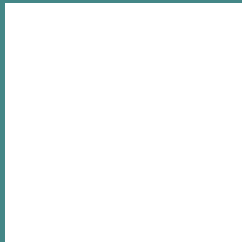
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 20.3062, 0.2497, 0.3288

Background



This preview shows how black text looks on a background with the Yxy color 20.3062, 0.2497, 0.3288.



This preview shows how white text looks on a background with the Yxy color 20.3062, 0.2497, 0.3288.

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

20.3062, 0.2497, 0.3288

Protanopia

20.0844, 0.3095, 0.3198

Deuteranopia

20.1768, 0.3033, 0.2989



Tritanopia

20.4034, 0.2447, 0.3090

Trichromacy



Original Color

20.3062, 0.2497, 0.3288

Protanomaly

19.7605, 0.2827, 0.3212

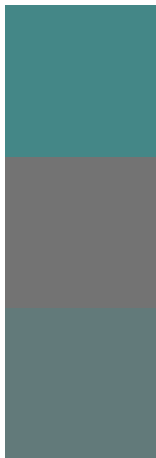
Deuteranomaly

19.8537, 0.2799, 0.3081

Tritanomaly

20.2754, 0.2462, 0.3148

Monochromacy



Original Color

20.3062, 0.2497, 0.3288

Achromatopsia

17.1441, 0.3127, 0.3290

Achromatomaly

17.9209, 0.2847, 0.3289

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.3062, 0.2497, 0.3288 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(68, 135, 135)` looks like.

```
.text, #text, p{  
    color:rgb(68, 135, 135)  
}
```

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(68, 135, 135) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(68, 135, 135) }
```

Border

The CSS property to change the border of an element to Yxy 20.3062, 0.2497, 0.3288 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(68, 135, 135) }
```

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

```
.border{ border-color:rgb(68, 135, 135) }
```

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

Here you see how a box with a 4 pixel rgb(68, 135, 135) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(68, 135, 135); -webkit-box-  
shadow:4px 4px 4px 4px rgb(68, 135, 135);  
box-shadow:4px 4px 4px 4px rgb(68, 135,  
135) }
```


Background

The CSS property to change the background color of an element to Yxy 20.3062, 0.2497, 0.3288 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(68, 135, 135) }
```

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

```
.background{ background-color: rgb(68, 135,  
135) }
```

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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