

Converting Colors

$Y_{xy}(20.5159, 0.2122, 0.2635)$

Have a look what the booklet for
Yxy(20.5159, 0.2122, 0.2635)
contains.

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Color

Yxy(20.5498, 0.2126, 0.2645)

Conversions

Conversions Part 1

Format	Color
Hex	2387A9
RGB	35, 135, 169
RGB Percent	14%, 53%, 66%
CMY	0.8627, 0.4706, 0.3373
CMYK	0.79, 0.20, 0.00, 0.34
HSL	195°, 66%, 40%
HSV	195°, 79%, 66%
XYZ	16.5175, 20.5498, 40.6257
YIQ	108.9760, -70.5140, -10.6260

Conversions

Conversions Part 2

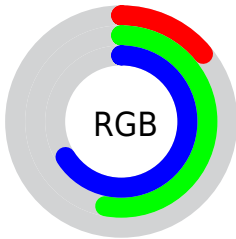
Format	Color
R_{YB}	35, 92, 169
Decimal	2328489
CIE _{Lab}	52.45, -16.03, -25.96
CIE _{LCh}	52, 30.513, 238.298
Yxy	20.5498, 0.2126, 0.2645
Android (android.graphics.Color)	4280518569 (0xFF2387A9)
YUV	108.9760, 29.5918, -64.8770
Hunter-Lab	45.3319, -14.2909, -21.4024

Details

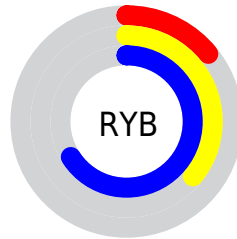
The Yxy color **20.5498, 0.2126, 0.2645** is a dark color, and the websafe version is hex **0099CC**. A complement of this color would be **12.8107, 0.5419, 0.3695**, and the grayscale version is **15.2163, 0.3127, 0.3290**.

A 20% lighter version of the original color is **44.1730, 0.2334, 0.2792**, and **7.7814, 0.2004, 0.2414** is the 20% darker color. If you saturate the color by 10%, you get **19.1504, 0.2064, 0.2552**, and if you desaturate by 10%, it is **22.1411, 0.2207, 0.2739**.

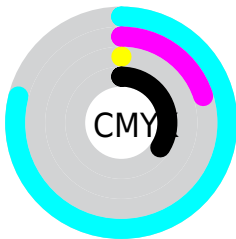
Distribution



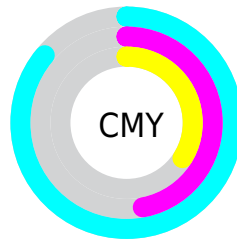
- Red (14%)
- Green (53%)
- Blue (66%)



- Red (14%)
- Yellow (36%)
- Blue (66%)



- Cyan (79%)
- Magenta (20%)
- Yellow (0%)
- Black (34%)



- Cyan (86%)
- Magenta (47%)
- Yellow (34%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 20.5498, 0.2126, 0.2645 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 20.5498, 0.2126, 0.2645 by changing the saturation by 10% instead.

■ 20.5498, 0.2126,
0.2645

■ 20.5498, 0.2126,
0.2645

■ 254.8762, 0.2670,
0.3017

■ 12.7953, 0.1978,
0.2534

■ 44.3371, 0.2334,
0.2793

■ 7.2878, 0.1781,
0.2381

■ 61.1386, 0.2409,
0.2845

■ 3.6427, 0.1511,
0.2158

■ 81.7247, 0.2471,
0.2887

■ 1.4758, 0.1131,
0.1812

■ 106.4796, 0.2523,
0.2922

■ 0.2716, 0.0000,
0.0938

■ 135.7879, 0.2568,
0.2951

■ 0.0000, 0.0000,
0.0000

■ 170.0338, 0.2607,

0.2976

209.6017, 0.2641,
0.2998

■ 20.5498, 0.2126,
0.2645

■ 20.5498, 0.2126,
0.2645

■ 19.1504, 0.2064,
0.2552

■ 22.1411, 0.2207,
0.2739

■ 17.9040, 0.2018,
0.2459

■ 23.9408, 0.2307,
0.2831

■ 17.8172, 0.2015,
0.2452

■ 25.9655, 0.2423,
0.2920

■ 28.2294, 0.2552,
0.3006

■ 30.7454, 0.2691,
0.3087

■ 33.5250, 0.2837,
0.3162

■ 36.5794, 0.2987,
0.3231

■ 39.9186, 0.3138,
0.3294

■ 43.5523, 0.3288,
0.3351

Harmonies

Analogous

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



20.5498, 0.2193, 0.3073



20.5498, 0.2126, 0.2645



20.5498, 0.2290, 0.2432

Triad

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



20.5498, 0.2126, 0.2645



20.5498, 0.3765, 0.2949



20.5498, 0.3525, 0.4312

Complementary

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



20.5498, 0.2126, 0.2645



12.8107, 0.5419, 0.3695

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.



20.5498, 0.3991, 0.4161



20.5498, 0.2126, 0.2645



20.5498, 0.4156, 0.3367

Square

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



20.5498, 0.2126, 0.2645



20.5498, 0.3205, 0.2618



20.5498, 0.4234, 0.3801



20.5498, 0.2975, 0.4126

Rectangle

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



20.5498, 0.2126, 0.2645



20.5498, 0.2521, 0.2410



20.5498, 0.4234, 0.3801



20.5498, 0.3697, 0.4294

Sweetspot

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



20.5505, 0.2126, 0.2645



57.4279, 0.2761, 0.3124



29.1525, 0.2875, 0.5260



12.1528, 0.2711, 0.3098



84.8088, 0.3127, 0.3290



15.4872, 0.3127, 0.3290

Same Dimension

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



20.5505, 0.2126, 0.2645



32.6390, 0.2030, 0.2483



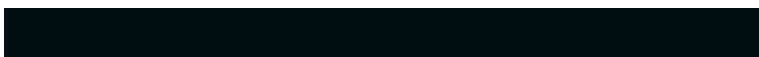
7.4172, 0.1783, 0.1329



8.2050, 0.2987, 0.3231



13.3698, 0.2017, 0.2462



0.4000, 0.2102, 0.2767

Inverse Universe

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



11.3857, 0.3762, 0.2007



18.1151, 0.3936, 0.1962



26.0211, 0.4480, 0.4590



7.6336, 0.3174, 0.3123



7.4207, 0.3960, 0.1955



0.1881, 0.3666, 0.1793

Previews

White Background



This preview shows how the Yxy color 20.5498, 0.2126, 0.2645 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 20.5498, 0.2126, 0.2645 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

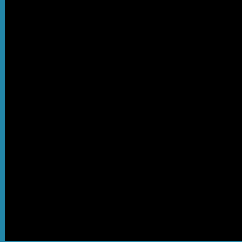
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.5498, 0.2126, 0.2645

Background



This preview shows how black text looks on a background with the Yxy color 20.5498, 0.2126, 0.2645.

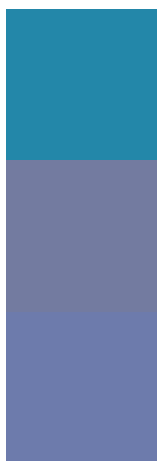


This preview shows how white text looks on a background with the Yxy color 20.5498, 0.2126, 0.2645.

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

20.5498, 0.2126, 0.2645

Protanopia

20.3488, 0.2664, 0.2644

Deuteranopia

20.3957, 0.2507, 0.2454



Tritanopia

20.3790, 0.2178, 0.3042

Trichromacy



Original Color

20.5498, 0.2126, 0.2645

Protanomaly

19.8015, 0.2394, 0.2628

Deuteranomaly

19.9129, 0.2310, 0.2497

Tritanomaly

20.4112, 0.2151, 0.2889

Monochromacy



Original Color

20.5498, 0.2126, 0.2645

Achromatopsia

15.2926, 0.3127, 0.3290

Achromatomaly

16.3894, 0.2586, 0.3016

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.5498, 0.2126, 0.2645 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(35, 135, 169)` looks like.

```
.text, #text, p{  
    color:rgb(35, 135, 169)  
}
```

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(35, 135, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(35, 135, 169) }
```

Border

The CSS property to change the border of an element to Yxy 20.5498, 0.2126, 0.2645 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(35, 135, 169) }
```

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

```
.border{ border-color:rgb(35, 135, 169) }
```

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

Here you see how a box with a 4 pixel `rgb(35, 135, 169)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(35, 135, 169); -webkit-box-  
shadow:4px 4px 4px 4px rgb(35, 135, 169);  
box-shadow:4px 4px 4px 4px rgb(35, 135,  
169) }
```


Background

The CSS property to change the background color of an element to Yxy 20.5498, 0.2126, 0.2645 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(35, 135, 169) }
```

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

```
.background{ background-color: rgb(35, 135,  
169) }
```

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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