

Converting Colors

$Y_{xy}(20.0593, 0.2250, 0.2591)$

Have a look what the booklet for
Yxy(20.0593, 0.2250, 0.2591)
contains.

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Color

$\text{Yxy}(20.0214, 0.2251, 0.2585)$

Conversions

Conversions Part 1

Format	Color
Hex	4482A8
RGB	68, 130, 168
RGB Percent	27%, 51%, 66%
CMY	0.7334, 0.4902, 0.3411
CMYK	0.60, 0.23, 0.00, 0.34
HSL	203°, 42%, 46%
HSV	203°, 60%, 66%
XYZ	17.4345, 20.0214, 39.9963
YIQ	115.7940, -49.1500, -1.3260

Conversions

Conversions Part 2

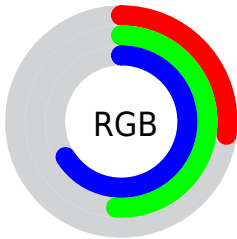
Format	Color
R _Y B	68, 106, 168
Decimal	4489896
CIE Lab	51.86, -8.41, -26.23
CIE LCh	52, 27.549, 252.218
Yxy	20.0214, 0.2251, 0.2585
Android (android.graphics.Color)	4282679976 (0xFF4482A8)
YUV	115.7940, 25.7376, -41.9153
Hunter-Lab	44.7453, -8.7537, -21.6757

Details

The Yxy color **20.0214, 0.2251, 0.2585** is a dark color, and the websafe version is hex **3399CC**. A complement of this color would be **19.0514, 0.4527, 0.3859**, and the grayscale version is **17.3297, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.4798, 0.2437, 0.2748**, and **7.1458, 0.1977, 0.2318** is the 20% darker color. If you saturate the color by 10%, you get **17.8560, 0.2134, 0.2442**, and if you desaturate by 10%, it is **22.4667, 0.2383, 0.2724**.

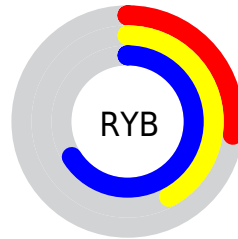
Distribution



Red (27%)

Green (51%)

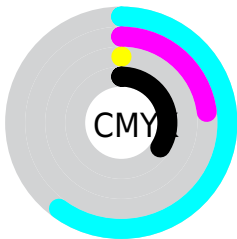
Blue (66%)



Red (27%)

Yellow (42%)

Blue (66%)

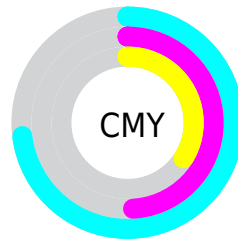


Cyan (60%)

Magenta (23%)

Yellow (0%)

Black (34%)



Cyan (73%)

Magenta (49%)

Yellow (34%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 20.0214, 0.2251, 0.2585 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 20.0214, 0.2251, 0.2585 by changing the saturation by 10% instead.

■ 20.0214, 0.2251,
0.2585

■ 20.0214, 0.2251,
0.2585

■ 252.0309, 0.2733,
0.2985

■ 12.4106, 0.2117,
0.2469

■ 43.4531, 0.2437,
0.2742

■ 7.0240, 0.1937,
0.2309

■ 60.0427, 0.2503,
0.2798

■ 3.4771, 0.1686,
0.2079

■ 80.3941, 0.2558,
0.2843

■ 1.3856, 0.1321,
0.1728

■ 104.8916, 0.2604,
0.2881

■ 0.2061, 0.0000,
0.0755

■ 133.9197, 0.2644,
0.2913

■ 0.0000, 0.0000,
0.0000

167.8626, 0.2677,

0.2940

207.1049, 0.2707,
0.2964

■ 20.0214, 0.2251,
0.2585

■ 20.0214, 0.2251,
0.2585

■ 17.8560, 0.2134,
0.2442

■ 22.4667, 0.2383,
0.2724

■ 15.9513, 0.2034,
0.2296

■ 25.2051, 0.2526,
0.2857

■ 14.2881, 0.1955,
0.2152

■ 28.2512, 0.2676,
0.2981

■ 12.8269, 0.1893,
0.2011

■ 31.6179, 0.2829,
0.3095

■ 12.7614, 0.1890,
0.2004

■ 35.3171, 0.2983,
0.3200

■ 39.3602, 0.3134,
0.3294

■ 43.7578, 0.3281,
0.3379

■ 48.5201, 0.3422,
0.3454

■ 53.6567, 0.3557,
0.3520

Harmonies

Analogous

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



20.0214, 0.2213, 0.2893



20.0214, 0.2251, 0.2585



20.0214, 0.2499, 0.2478

Triad

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



20.0214, 0.2251, 0.2585



20.0214, 0.3903, 0.3153



20.0214, 0.3263, 0.4177

Complementary

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



20.0214, 0.2251, 0.2585



19.0514, 0.4527, 0.3859

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.



20.0214, 0.3741, 0.4181



20.0214, 0.2251, 0.2585



20.0214, 0.4136, 0.3555

Square

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



20.0214, 0.2251, 0.2585



20.0214, 0.3444, 0.2800



20.0214, 0.4069, 0.3932



20.0214, 0.2771, 0.3865

Rectangle

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



20.0214, 0.2251, 0.2585



20.0214, 0.2767, 0.2513



20.0214, 0.4069, 0.3932



20.0214, 0.3431, 0.4213

Sweetspot

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



20.0221, 0.2251, 0.2585



58.1409, 0.2848, 0.3108



30.2510, 0.2812, 0.4496



12.2815, 0.2805, 0.3077



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.



20.0221, 0.2251, 0.2585



31.3939, 0.2104, 0.2401



9.9899, 0.2045, 0.1645



8.0459, 0.2987, 0.3202



9.7367, 0.1894, 0.2018



0.3309, 0.2024, 0.2487

Inverse Universe

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



14.0711, 0.3772, 0.2386



21.2708, 0.3978, 0.2258



32.0779, 0.4061, 0.4513



7.6176, 0.3193, 0.3151



7.0540, 0.4432, 0.2215



0.1811, 0.3935, 0.1942

Previews

White Background



This preview shows how the Yxy color 20.0214, 0.2251, 0.2585 looks on a white background.

Color Contrast Check

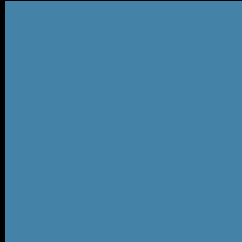
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.0214, 0.2251, 0.2585 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

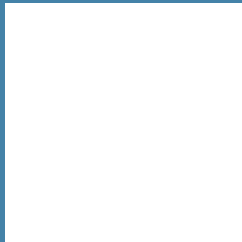
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 20.0214, 0.2251, 0.2585

Background



This preview shows how black text looks on a background with the Yxy color 20.0214, 0.2251, 0.2585.

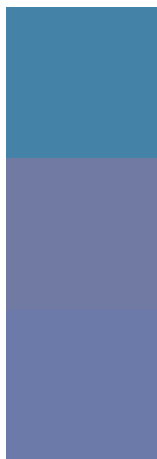


This preview shows how white text looks on a background with the Yxy color 20.0214, 0.2251, 0.2585.

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

20.0214, 0.2251, 0.2585

Protanopia

19.9724, 0.2615, 0.2590

Deuteranopia

20.0095, 0.2511, 0.2463



Tritanopia

19.9941, 0.2359, 0.3066

Trichromacy



Original Color

20.0214, 0.2251, 0.2585

Protanomaly

19.8344, 0.2460, 0.2588

Deuteranomaly

19.8590, 0.2399, 0.2506

Tritanomaly

20.0991, 0.2324, 0.2897

Monochromacy



Original Color

20.0214, 0.2251, 0.2585

Achromatopsia

17.4647, 0.3127, 0.3290

Achromatomaly

18.0767, 0.2727, 0.3014

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.0214, 0.2251, 0.2585 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, 130, 168)` looks like.

```
.text, #text, p{  
    color:rgb(68, 130, 168)  
}
```

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, 130, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(68, 130, 168) }
```

Border

The CSS property to change the border of an element to Yxy 20.0214, 0.2251, 0.2585 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, 130, 168) }
```

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

```
.border{ border-color:rgb(68, 130, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(68, 130, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(68, 130, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(68, 130, 168);  
box-shadow:4px 4px 4px 4px rgb(68, 130,  
168) }
```


Background

The CSS property to change the background color of an element to Yxy 20.0214, 0.2251, 0.2585 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(68, 130, 168) }
```

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

```
.background{ background-color: rgb(68, 130,  
168) }
```

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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