

Converting Colors

$Y_{xy}(20.1455, 0.2311, 0.2985)$

Have a look what the booklet for
Yxy(20.1455, 0.2311, 0.2985)
contains.

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Color

$Y_{xy}(20.0365, 0.2304, 0.2969)$

Conversions

Conversions Part 1

Format	Color
Hex	368696
RGB	54, 134, 150
RGB Percent	21%, 53%, 59%
CMY	0.7885, 0.4745, 0.4118
CMYK	0.64, 0.11, 0.00, 0.41
HSL	190°, 47%, 40%
HSV	190°, 64%, 59%
XYZ	15.5487, 20.0365, 31.9005
YIQ	111.9040, -52.8160, -11.9840

Conversions

Conversions Part 2

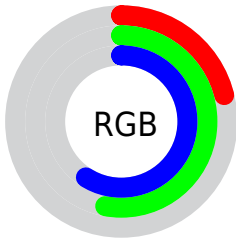
Format	Color
RYB	54, 98, 150
Decimal	3573398
CIELab	51.88, -19.12, -15.80
CIElCh	52, 24.807, 219.569
Yxy	20.0365, 0.2304, 0.2969
Android (android.graphics.Color)	4281763478 (0xFF368696)
YUV	111.9040, 18.7813, -50.7818
Hunter-Lab	44.7621, -16.3295, -10.9205

Details

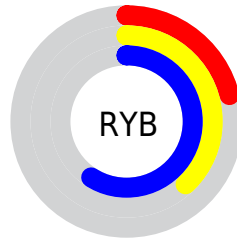
The Yxy color **20.0365, 0.2304, 0.2969** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **11.1212, 0.4919, 0.3546**, and the grayscale version is **16.1252, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.2798, 0.2478, 0.3045**, and **7.2415, 0.2120, 0.2831** is the 20% darker color. If you saturate the color by 10%, you get **19.0027, 0.2225, 0.2911**, and if you desaturate by 10%, it is **21.2161, 0.2401, 0.3026**.

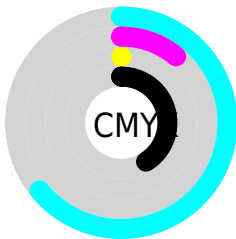
Distribution



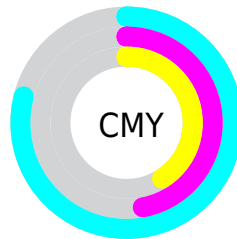
- Red (21%)
- Green (53%)
- Blue (59%)



- Red (21%)
- Yellow (38%)
- Blue (59%)



- Cyan (64%)
- Magenta (11%)
- Yellow (0%)
- Black (41%)



- Cyan (79%)
- Magenta (47%)
- Yellow (41%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 20.0365, 0.2304, 0.2969 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 20.0365, 0.2304, 0.2969 by changing the saturation by 10% instead.

20.0365, 0.2304,
0.2969

20.0365, 0.2304,
0.2969

252.1126, 0.2759,
0.3162

12.4216, 0.2175,
0.2907

43.4784, 0.2481,
0.3049

7.0315, 0.1999,
0.2816

60.0741, 0.2544,
0.3076

3.4818, 0.1749,
0.2674

80.4322, 0.2595,
0.3097

1.3881, 0.1370,
0.2428

104.9372, 0.2639,
0.3115

0.2080, 0.0000,
0.1310

133.9733, 0.2676,
0.3130

0.0000, 0.0000,
0.0000

167.9250, 0.2708,

0.3142

207.1766, 0.2735,
0.3153

■ 20.0365, 0.2304,
0.2969

■ 20.0365, 0.2304,
0.2969

■ 19.0027, 0.2225,
0.2911

■ 21.2161, 0.2401,
0.3026

■ 18.1000, 0.2164,
0.2852

■ 22.5499, 0.2513,
0.3082

■ 17.3144, 0.2121,
0.2794

■ 24.0485, 0.2639,
0.3135

■ 16.8768, 0.2100,
0.2760

■ 25.7206, 0.2775,
0.3185

■ 27.5743, 0.2918,
0.3231

■ 29.6173, 0.3067,
0.3274

■ 31.8566, 0.3217,
0.3313

■ 34.2991, 0.3367,
0.3348

■ 36.9510, 0.3516,
0.3379

Harmonies

Analogous

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



20.0365, 0.2488, 0.3402



20.0365, 0.2304, 0.2969



20.0365, 0.2320, 0.2671

Triad

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



20.0365, 0.2304, 0.2969



20.0365, 0.3373, 0.2821



20.0365, 0.3718, 0.4082

Complementary

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



20.0365, 0.2304, 0.2969



11.1212, 0.4919, 0.3546

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.



20.0365, 0.3993, 0.3850



20.0365, 0.2304, 0.2969



20.0365, 0.3795, 0.3138

Square

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



20.0365, 0.2304, 0.2969



20.0365, 0.2908, 0.2613



20.0365, 0.4027, 0.3504



20.0365, 0.3295, 0.4095

Rectangle

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



20.0365, 0.2304, 0.2969



20.0365, 0.2441, 0.2573



20.0365, 0.4027, 0.3504



20.0365, 0.3832, 0.4024

Sweetspot

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



20.0372, 0.2304, 0.2969



46.8780, 0.2841, 0.3207



23.0161, 0.2946, 0.5031



10.2037, 0.2804, 0.3194



74.8414, 0.3127, 0.3290



11.9280, 0.3127, 0.3290

Same Dimension

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



20.0372, 0.2304, 0.2969



32.7960, 0.2195, 0.2885



9.8922, 0.2071, 0.1956



6.3996, 0.2990, 0.3252



14.0377, 0.2101, 0.2764



0.2069, 0.2179, 0.3042

Inverse Universe

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



10.8382, 0.3451, 0.2056



16.1504, 0.3543, 0.1890



19.3276, 0.4336, 0.4291



5.8928, 0.3161, 0.3107



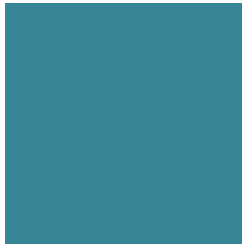
6.6105, 0.3668, 0.1794



0.0845, 0.3417, 0.1656

Previews

White Background



This preview shows how the Yxy color 20.0365, 0.2304, 0.2969 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 20.0365, 0.2304, 0.2969 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

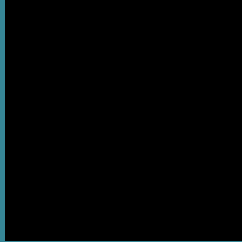
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.0365, 0.2304, 0.2969

Background



This preview shows how black text looks on a background with the Yxy color 20.0365, 0.2304, 0.2969.



This preview shows how white text looks on a background with the Yxy color 20.0365, 0.2304, 0.2969.

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

20.0365, 0.2304, 0.2969

Protanopia

19.7940, 0.2876, 0.2927

Deuteranopia

19.9677, 0.2777, 0.2727



Tritanopia

20.1333, 0.2325, 0.3065

Trichromacy



Original Color

20.0365, 0.2304, 0.2969

Protanomaly

19.3989, 0.2608, 0.2925

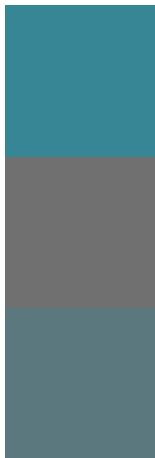
Deuteranomaly

19.6755, 0.2558, 0.2803

Tritanomaly

20.1914, 0.2323, 0.3046

Monochromacy



Original Color

20.0365, 0.2304, 0.2969

Achromatopsia

16.2029, 0.3127, 0.3290

Achromatomaly

17.1634, 0.2728, 0.3165

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.0365, 0.2304, 0.2969 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(54, 134, 150)` looks like.

```
.text, #text, p{  
    color:rgb(54, 134, 150)  
}
```

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(54, 134, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(54, 134, 150) }
```

Border

The CSS property to change the border of an element to Yxy 20.0365, 0.2304, 0.2969 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(54, 134, 150) }
```

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

```
.border{ border-color:rgb(54, 134, 150) }
```

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

Here you see how a box with a 4 pixel rgb(54, 134, 150) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(54, 134, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(54, 134, 150);  
box-shadow:4px 4px 4px 4px rgb(54, 134,  
150) }
```


Background

The CSS property to change the background color of an element to Yxy 20.0365, 0.2304, 0.2969 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(54, 134, 150) }
```

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

```
.background{ background-color: rgb(54, 134,  
150) }
```

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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