

Converting Colors

$Y_{xy}(20.2098, 0.2379, 0.2716)$

Have a look what the booklet for
Yxy(20.2098, 0.2379, 0.2716)
contains.

Yxy(20.2439, 0.2374, 0.2712)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(20.2439, 0.2374, 0.2712)

Conversions

Conversions Part 1

Format	Color
Hex	5082A1
RGB	80, 130, 161
RGB Percent	31%, 51%, 63%
CMY	0.6863, 0.4902, 0.3687
CMYK	0.50, 0.19, 0.00, 0.37
HSL	203°, 34%, 47%
HSV	203°, 50%, 63%
XYZ	17.7209, 20.2439, 36.6809
YIQ	118.5840, -39.7510, -0.9590

Conversions

Conversions Part 2

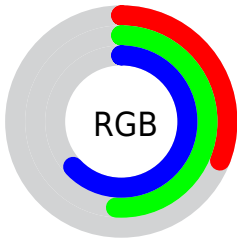
Format	Color
R _Y B	80, 111, 161
Decimal	5276321
CIE Lab	52.11, -7.95, -21.73
CIE LCh	52, 23.136, 249.914
Yxy	20.2439, 0.2374, 0.2712
Android (android.graphics.Color)	4283466401 (0xFF5082A1)
YUV	118.5840, 20.9111, -33.8382
Hunter-Lab	44.9932, -8.4347, -16.8411

Details

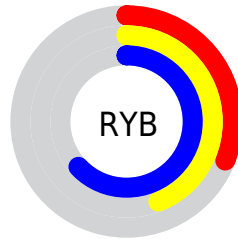
The Yxy color **20.2439, 0.2374, 0.2712** is a dark color, and the websafe version is hex **6699CC**. A complement of this color would be **19.5118, 0.4234, 0.3786**, and the grayscale version is **18.2508, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.8932, 0.2536, 0.2842**, and **7.1596, 0.2100, 0.2492** is the 20% darker color. If you saturate the color by 10%, you get **18.0372, 0.2243, 0.2572**, and if you desaturate by 10%, it is **22.7180, 0.2516, 0.2845**.

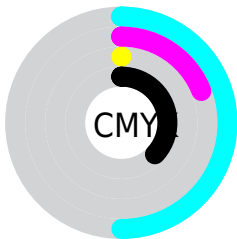
Distribution



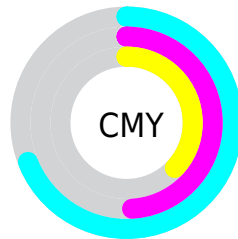
- Red (31%)
- Green (51%)
- Blue (63%)



- Red (31%)
- Yellow (44%)
- Blue (63%)



- Cyan (50%)
- Magenta (19%)
- Yellow (0%)
- Black (37%)



- Cyan (69%)
- Magenta (49%)
- Yellow (37%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 20.2439, 0.2374, 0.2712 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 20.2439, 0.2374, 0.2712 by changing the saturation by 10% instead.

■ 20.2439, 0.2374,
0.2712

■ 20.2439, 0.2374,
0.2712

■ 253.2324, 0.2791,
0.3041

■ 12.5725, 0.2256,
0.2615

■ 43.8257, 0.2536,
0.2842

■ 7.1348, 0.2096,
0.2479

■ 60.5049, 0.2593,
0.2888

■ 3.5466, 0.1868,
0.2281

■ 80.9554, 0.2641,
0.2925

■ 1.4233, 0.1526,
0.1967

■ 105.5617, 0.2680,
0.2956

■ 0.2338, 0.0124,
0.1024

■ 134.7082, 0.2714,
0.2983

■ 0.0000, 0.0000,
0.0000

168.7792, 0.2743,

0.3005

208.1592, 0.2769,
0.3024

■ 20.2439, 0.2374,
0.2712

■ 20.2439, 0.2374,
0.2712

■ 18.0372, 0.2243,
0.2572

■ 22.7180, 0.2516,
0.2845

■ 16.0816, 0.2126,
0.2428

■ 25.4698, 0.2666,
0.2970

■ 14.3624, 0.2028,
0.2282

■ 28.5117, 0.2818,
0.3086

■ 12.8615, 0.1950,
0.2138

■ 31.8546, 0.2972,
0.3192

■ 11.5773, 0.1889,
0.2000

■ 35.5088, 0.3122,
0.3287

■ 39.4839, 0.3269,
0.3373

■ 43.7891, 0.3410,
0.3449

■ 48.4332, 0.3545,
0.3516

■ 53.4248, 0.3672,
0.3575

Harmonies

Analogous

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



20.2439, 0.2357, 0.2990



20.2439, 0.2374, 0.2712



20.2439, 0.2575, 0.2602

Triad

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



20.2439, 0.2374, 0.2712



20.2439, 0.3751, 0.3153



20.2439, 0.3281, 0.4033

Complementary

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



20.2439, 0.2374, 0.2712



19.5118, 0.4234, 0.3786

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.



20.2439, 0.3675, 0.4029



20.2439, 0.2374, 0.2712



20.2439, 0.3964, 0.3497

Square

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



20.2439, 0.2374, 0.2712



20.2439, 0.3362, 0.2855



20.2439, 0.3932, 0.3818



20.2439, 0.2862, 0.3792

Rectangle

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



20.2439, 0.2374, 0.2712



20.2439, 0.2797, 0.2622



20.2439, 0.3932, 0.3818



20.2439, 0.3421, 0.4059

Sweetspot

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



20.2447, 0.2374, 0.2712



54.0234, 0.2896, 0.3140



28.3054, 0.2843, 0.4271



11.5914, 0.2865, 0.3119



80.7346, 0.3127, 0.3290



13.9985, 0.3127, 0.3290

Same Dimension

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



20.2447, 0.2374, 0.2712



32.0119, 0.2233, 0.2561



11.7219, 0.2227, 0.1939



7.5541, 0.2987, 0.3202



9.3296, 0.1892, 0.2012



0.2831, 0.2036, 0.2529

Inverse Universe

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



14.9213, 0.3636, 0.2513



22.4326, 0.3798, 0.2372



30.0232, 0.3921, 0.4348



7.1560, 0.3193, 0.3152



6.7860, 0.4439, 0.2219



0.1514, 0.3894, 0.1919

Previews

White Background



This preview shows how the Yxy color 20.2439, 0.2374, 0.2712 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 20.2439, 0.2374, 0.2712 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

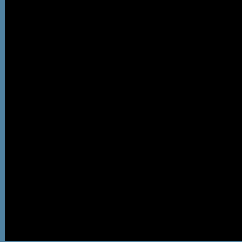
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

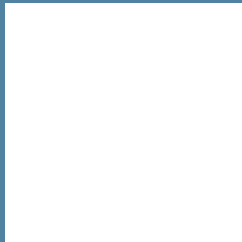
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 20.2439, 0.2374, 0.2712

Background



This preview shows how black text looks on a background with the Yxy color 20.2439, 0.2374, 0.2712.

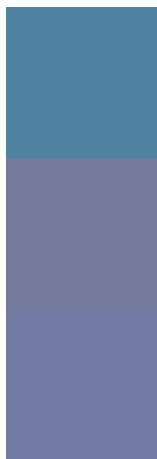


This preview shows how white text looks on a background with the Yxy color 20.2439, 0.2374, 0.2712.

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

20.2439, 0.2374, 0.2712

Protanopia

20.0324, 0.2708, 0.2691

Deuteranopia

20.2082, 0.2636, 0.2580



Tritanopia

20.2445, 0.2464, 0.3071

Trichromacy



Original Color

20.2439, 0.2374, 0.2712

Protanomaly

20.0194, 0.2570, 0.2694

Deuteranomaly

20.1006, 0.2528, 0.2628

Tritanomaly

20.2410, 0.2431, 0.2940

Monochromacy



Original Color

20.2439, 0.2374, 0.2712

Achromatopsia

18.4475, 0.3127, 0.3290

Achromatomaly

18.8904, 0.2803, 0.3077

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.2439, 0.2374, 0.2712 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(80, 130, 161)` looks like.

```
.text, #text, p{  
    color:rgb(80, 130, 161)  
}
```

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(80, 130, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 130, 161) }
```

Border

The CSS property to change the border of an element to Yxy 20.2439, 0.2374, 0.2712 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(80, 130, 161) }
```

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

```
.border{ border-color:rgb(80, 130, 161) }
```

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

Here you see how a box with a 4 pixel `rgb(80, 130, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 130, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 130, 161);  
box-shadow:4px 4px 4px 4px rgb(80, 130,  
161) }
```


Background

The CSS property to change the background color of an element to Yxy 20.2439, 0.2374, 0.2712 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 130, 161) }
```

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

```
.background{ background-color: rgb(80, 130,  
161) }
```

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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