

Converting Colors

$Y_{xy}(20.3982, 0.2381, 0.2729)$

Have a look what the booklet for
Yxy(20.3982, 0.2381, 0.2729)
contains.

Yxy(20.5113, 0.2378, 0.2731)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(20.5113, 0.2378, 0.2731)

Conversions

Conversions Part 1

Format	Color
Hex	5083A1
RGB	80, 131, 161
RGB Percent	31%, 51%, 63%
CMY	0.6861, 0.4863, 0.3686
CMYK	0.50, 0.19, 0.00, 0.37
HSL	202°, 34%, 47%
HSV	202°, 50%, 63%
XYZ	17.8601, 20.5113, 36.7341
YIQ	119.1710, -40.0260, -1.4820

Conversions

Conversions Part 2

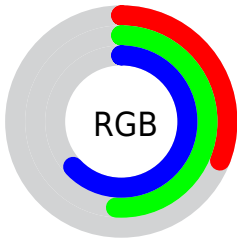
Format	Color
RYB	80, 111, 161
Decimal	5276577
CIELab	52.41, -8.49, -21.28
CIElCh	52, 22.911, 248.258
Yxy	20.5113, 0.2378, 0.2731
Android (android.graphics.Color)	4283466657 (0xFF5083A1)
YUV	119.1710, 20.6217, -34.3530
Hunter-Lab	45.2894, -8.8642, -16.3873

Details

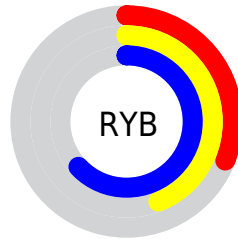
The Yxy color **20.5113, 0.2378, 0.2731** is a dark color, and the websafe version is hex **6699CC**. A complement of this color would be **19.3191, 0.4241, 0.3771**, and the grayscale version is **18.4513, 0.3127, 0.3290**.

A 20% lighter version of the original color is **44.3072, 0.2538, 0.2856**, and **7.3093, 0.2108, 0.2523** is the 20% darker color. If you saturate the color by 10%, you get **18.3359, 0.2248, 0.2596**, and if you desaturate by 10%, it is **22.9485, 0.2519, 0.2860**.

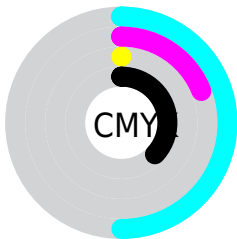
Distribution



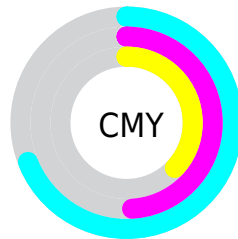
- Red (31%)
- Green (51%)
- Blue (63%)



- 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 20.5113, 0.2378, 0.2731 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 20.5113, 0.2378, 0.2731 by changing the saturation by 10% instead.

■ 20.5113, 0.2378,
0.2731

■ 20.5113, 0.2378,
0.2731

■ 254.6698, 0.2792,
0.3050

■ 12.7673, 0.2261,
0.2637

■ 44.2728, 0.2538,
0.2857

■ 7.2685, 0.2102,
0.2506

■ 61.0590, 0.2595,
0.2901

■ 3.6306, 0.1877,
0.2313

■ 81.6280, 0.2643,
0.2937

■ 1.4691, 0.1539,
0.2008

■ 106.3643, 0.2682,
0.2967

■ 0.2669, 0.0198,
0.1139

■ 135.6523, 0.2716,
0.2993

■ 0.0000, 0.0000,
0.0000

169.8762, 0.2745,

0.3014

209.4206, 0.2770,
0.3033

■ 20.5113, 0.2378,
0.2731

■ 20.5113, 0.2378,
0.2731

■ 18.3359, 0.2248,
0.2596

■ 22.9485, 0.2519,
0.2860

■ 16.4062, 0.2133,
0.2456

■ 25.6578, 0.2667,
0.2981

■ 14.7076, 0.2037,
0.2316

■ 28.6513, 0.2819,
0.3093

■ 13.2223, 0.1960,
0.2176

■ 31.9398, 0.2972,
0.3195

■ 11.9444, 0.1901,
0.2042

■ 35.5334, 0.3123,
0.3288

■ 39.4416, 0.3270,
0.3371

■ 43.6736, 0.3412,
0.3444

■ 48.2380, 0.3547,
0.3510

■ 53.1431, 0.3675,
0.3567

Harmonies

Analogous

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



20.5113, 0.2372, 0.3014



20.5113, 0.2378, 0.2731



20.5113, 0.2567, 0.2612

Triad

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



20.5113, 0.2378, 0.2731



20.5113, 0.3724, 0.3138



20.5113, 0.3302, 0.4028

Complementary

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



20.5113, 0.2378, 0.2731



19.3191, 0.4241, 0.3771

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.



20.5113, 0.3686, 0.4011



20.5113, 0.2378, 0.2731



20.5113, 0.3947, 0.3476

Square

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



20.5113, 0.2378, 0.2731



20.5113, 0.3335, 0.2847



20.5113, 0.3929, 0.3796



20.5113, 0.2887, 0.3803

Rectangle

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



20.5113, 0.2378, 0.2731



20.5113, 0.2782, 0.2626



20.5113, 0.3929, 0.3796



20.5113, 0.3440, 0.4049

Sweetspot

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



20.5121, 0.2378, 0.2731



54.1909, 0.2896, 0.3145



28.3161, 0.2843, 0.4270



11.6325, 0.2866, 0.3125



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.



20.5121, 0.2378, 0.2731



32.5300, 0.2238, 0.2584



11.7357, 0.2228, 0.1940



7.5678, 0.2987, 0.3205



9.6198, 0.1904, 0.2053



0.2879, 0.2043, 0.2554

Inverse Universe

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



14.9596, 0.3620, 0.2500



22.4849, 0.3777, 0.2356



30.0343, 0.3920, 0.4347



7.1574, 0.3191, 0.3150



6.8152, 0.4393, 0.2194



0.1519, 0.3869, 0.1905

Previews

White Background



This preview shows how the Yxy color 20.5113, 0.2378, 0.2731 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 20.5113, 0.2378, 0.2731 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

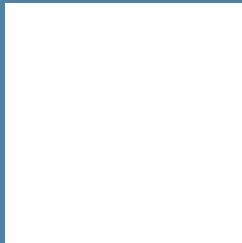
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 20.5113, 0.2378, 0.2731

Background



This preview shows how black text looks on a background with the Yxy color 20.5113, 0.2378, 0.2731.

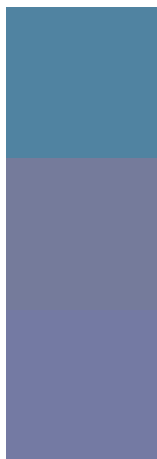


This preview shows how white text looks on a background with the Yxy color 20.5113, 0.2378, 0.2731.

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

20.5113, 0.2378, 0.2731

Protanopia

20.3144, 0.2729, 0.2726

Deuteranopia

20.2764, 0.2646, 0.2582



Tritanopia

20.5904, 0.2468, 0.3072

Trichromacy



Original Color

20.5113, 0.2378, 0.2731

Protanomaly

20.2991, 0.2590, 0.2730

Deuteranomaly

20.1594, 0.2537, 0.2630

Tritanomaly

20.5872, 0.2434, 0.2942

Monochromacy



Original Color

20.5113, 0.2378, 0.2731

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 20.5113, 0.2378, 0.2731 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, 131, 161)` looks like.

```
.text, #text, p{  
    color:rgb(80, 131, 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, 131, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 131, 161) }
```

Border

The CSS property to change the border of an element to Yxy 20.5113, 0.2378, 0.2731 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, 131, 161) }
```

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

```
.border{ border-color:rgb(80, 131, 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, 131, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 131, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 131, 161);  
box-shadow:4px 4px 4px 4px rgb(80, 131,  
161) }
```


Background

The CSS property to change the background color of an element to Yxy 20.5113, 0.2378, 0.2731 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 131, 161) }
```

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

```
.background{ background-color: rgb(80, 131,  
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](#).

Hey! You found this booklet
interesting? Support Converting
Colors with the new Membership
Option!

The pro membership hides all ads, plus gives you
double the colors in the color bucket, and more
awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor