

Converting Colors

$Y_{xy}(20.1951, 0.2584, 0.2633)$

Have a look what the booklet for
Yxy(20.1951, 0.2584, 0.2633)
contains.

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Color

Yxy(20.1767, 0.2589, 0.2635)

Conversions

Conversions Part 1

Format	Color
Hex	6C7CA1
RGB	108, 124, 161
RGB Percent	42%, 49%, 63%
CMY	0.5765, 0.5137, 0.3686
CMYK	0.33, 0.23, 0.00, 0.37
HSL	222°, 22%, 53%
HSV	222°, 33%, 63%
XYZ	19.8245, 20.1767, 36.5707
YIQ	123.4340, -21.4130, 8.1150

Conversions

Conversions Part 2

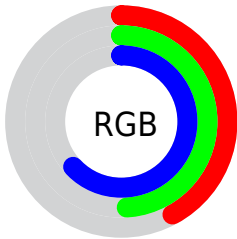
Format	Color
R _Y B	108, 120, 161
Decimal	7109793
CIE Lab	52.04, 3.26, -21.72
CIE LCh	52, 21.963, 278.542
Yxy	20.1767, 0.2589, 0.2635
Android (android.graphics.Color)	4285299873 (0xFF6C7CA1)
YUV	123.4340, 18.5200, -13.5356
Hunter-Lab	44.9185, 0.1724, -16.8285

Details

The Yxy color **20.1767, 0.2589, 0.2635** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **28.9092, 0.3683, 0.3867**, and the grayscale version is **19.9010, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.5856, 0.2709, 0.2770**, and **7.0358, 0.2379, 0.2384** is the 20% darker color. If you saturate the color by 10%, you get **16.6015, 0.2410, 0.2393**, and if you desaturate by 10%, it is **24.2610, 0.2763, 0.2858**.

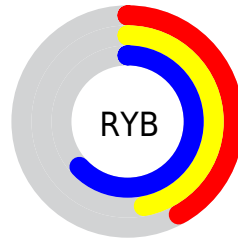
Distribution



Red (42%)

Green (49%)

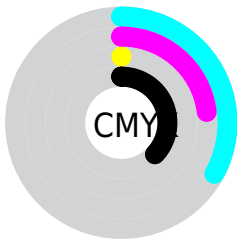
Blue (63%)



Red (42%)

Yellow (47%)

Blue (63%)

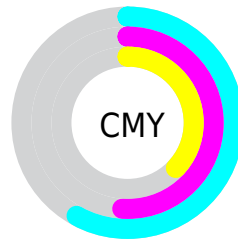


Cyan (33%)

Magenta (23%)

Yellow (0%)

Black (37%)



Cyan (58%)

Magenta (51%)

Yellow (37%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 20.1767, 0.2589, 0.2635 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 20.1767, 0.2589, 0.2635 by changing the saturation by 10% instead.

■ 20.1767, 0.2589,
0.2635

■ 20.1767, 0.2589,
0.2635

■ 252.8701, 0.2891,
0.2999

■ 12.5236, 0.2501,
0.2531

■ 43.7132, 0.2708,
0.2777

■ 7.1013, 0.2380,
0.2389

■ 60.3654, 0.2750,
0.2827

■ 3.5255, 0.2203,
0.2185

■ 80.7861, 0.2784,
0.2868

■ 1.4119, 0.1926,
0.1871

■ 105.3596, 0.2813,
0.2903

■ 0.2254, 0.1164,
0.0893

■ 134.4703, 0.2837,
0.2932

■ 0.0000, 0.0000,
0.0000

168.5027, 0.2858,

0.2958

207.8412, 0.2876,
0.2980

■ 20.1767, 0.2589,
0.2635

■ 20.1767, 0.2589,
0.2635

■ 16.6015, 0.2410,
0.2393

■ 24.2610, 0.2763,
0.2858

■ 13.5119, 0.2231,
0.2138

■ 28.8716, 0.2929,
0.3060

■ 10.8861, 0.2061,
0.1876

■ 34.0280, 0.3084,
0.3241

■ 8.6997, 0.1906,
0.1617

■ 39.7478, 0.3227,
0.3401

■ 6.9253, 0.1774,
0.1372

■ 46.0479, 0.3358,
0.3542

■ 5.5321, 0.1674,
0.1154

■ 52.9444, 0.3477,
0.3665

■ 4.7394, 0.1617,
0.1019

■ 60.4528, 0.3584,
0.3772

■ 68.5879, 0.3681,
0.3866

■ 77.3642, 0.3769,
0.3947

Harmonies

Analogous

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



20.1767, 0.2404, 0.2749



20.1767, 0.2589, 0.2635



20.1767, 0.2921, 0.2681

Triad

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



20.1767, 0.2589, 0.2635



20.1767, 0.3918, 0.3475



20.1767, 0.2893, 0.3780

Complementary

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



20.1767, 0.2589, 0.2635



28.9092, 0.3683, 0.3867

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.



20.1767, 0.3293, 0.3999



20.1767, 0.2589, 0.2635



20.1767, 0.3899, 0.3782

Square

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



20.1767, 0.2589, 0.2635



20.1767, 0.3706, 0.3146



20.1767, 0.3664, 0.3987



20.1767, 0.2569, 0.3405

Rectangle

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



20.1767, 0.2589, 0.2635



20.1767, 0.3193, 0.2790



20.1767, 0.3664, 0.3987



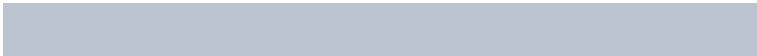
20.1767, 0.3023, 0.3877

Sweetspot

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



20.1775, 0.2589, 0.2635



54.1330, 0.2973, 0.3112



30.7001, 0.2794, 0.3577



11.6143, 0.2952, 0.3087



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.



20.1775, 0.2589, 0.2635



31.0473, 0.2449, 0.2447



17.1281, 0.2657, 0.2367



7.1926, 0.2987, 0.3129



3.8493, 0.1621, 0.1034



0.1602, 0.1820, 0.1752

Inverse Universe

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



19.7564, 0.3641, 0.3035



30.5793, 0.3819, 0.2973



33.1816, 0.3509, 0.4119



7.1195, 0.3240, 0.3222



6.2327, 0.5708, 0.2918



0.1390, 0.4744, 0.2387

Previews

White Background



This preview shows how the Yxy color 20.1767, 0.2589, 0.2635 looks on a white background.

Color Contrast Check

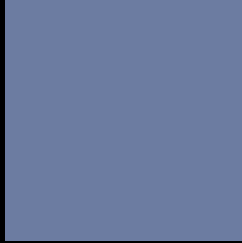
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.1767, 0.2589, 0.2635 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

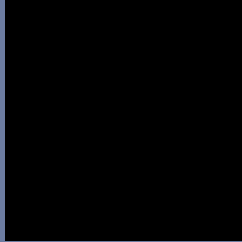
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

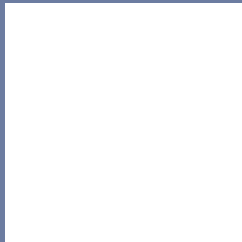
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 20.1767, 0.2589, 0.2635

Background



This preview shows how black text looks on a background with the Yxy color 20.1767, 0.2589, 0.2635.



This preview shows how white text looks on a background with the Yxy color 20.1767, 0.2589, 0.2635.

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

20.1767, 0.2589, 0.2635

Protanopia

20.0345, 0.2652, 0.2625

Deuteranopia

20.2053, 0.2663, 0.2613



Tritanopia

20.1569, 0.2752, 0.3099

Trichromacy



Original Color

20.1767, 0.2589, 0.2635

Protanomaly

20.1487, 0.2634, 0.2639

Deuteranomaly

20.2498, 0.2635, 0.2625

Tritanomaly

20.2573, 0.2697, 0.2937

Monochromacy



Original Color

20.1767, 0.2589, 0.2635

Achromatopsia

19.8069, 0.3127, 0.3290

Achromatomaly

19.8236, 0.2917, 0.3032

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.1767, 0.2589, 0.2635 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(108, 124, 161)` looks like.

```
.text, #text, p{  
    color:rgb(108, 124, 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(108, 124, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(108, 124, 161) }
```

Border

The CSS property to change the border of an element to Yxy 20.1767, 0.2589, 0.2635 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(108, 124, 161) }
```

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

```
.border{ border-color:rgb(108, 124, 161) }
```

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

Here you see how a box with a 4 pixel `rgb(108, 124, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(108, 124, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(108, 124, 161);  
box-shadow:4px 4px 4px 4px rgb(108, 124,  
161) }
```


Background

The CSS property to change the background color of an element to Yxy 20.1767, 0.2589, 0.2635 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(108, 124, 161) }
```

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

```
.background{ background-color: rgb(108,  
124, 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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