

Converting Colors

$Y_{xy}(20.0272, 0.2553, 0.2615)$

Have a look what the booklet for
Yxy(20.0272, 0.2553, 0.2615)
contains.

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Color

Yxy(20.0272, 0.2553, 0.2615)

Conversions

Conversions Part 1

Format	Color
Hex	697CA2
RGB	105, 124, 162
RGB Percent	41%, 49%, 64%
CMY	0.5883, 0.5137, 0.3648
CMYK	0.35, 0.23, 0.00, 0.36
HSL	220°, 23%, 52%
HSV	220°, 35%, 64%
XYZ	19.5524, 20.0272, 37.0063
YIQ	122.6510, -23.5220, 7.7900

Conversions

Conversions Part 2

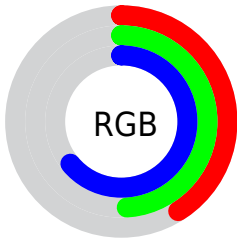
Format	Color
R _Y B	105, 119, 162
Decimal	6913186
CIE Lab	51.87, 2.63, -22.56
CIE LCh	52, 22.712, 276.638
Yxy	20.0272, 0.2553, 0.2615
Android (android.graphics.Color)	4285103266 (0xFF697CA2)
YUV	122.6510, 19.3991, -15.4799
Hunter-Lab	44.7518, -0.3276, -17.7021

Details

The Yxy color $20.0272, 0.2553, 0.2615$ is a dark color, and the websafe version is hex 666699 . A complement of this color would be $28.3320, 0.3735, 0.3882$, and the grayscale version is $19.6270, 0.3127, 0.3290$.

A 20% lighter version of the original color is $43.3295, 0.2680, 0.2755$, and $6.9702, 0.2332, 0.2354$ is the 20% darker color. If you saturate the color by 10%, you get $16.5800, 0.2377, 0.2381$, and if you desaturate by 10%, it is $23.9589, 0.2726, 0.2832$.

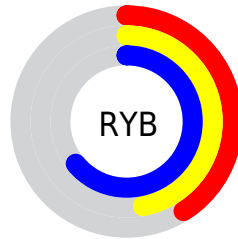
Distribution



Red (41%)

Green (49%)

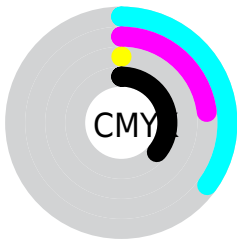
Blue (64%)



Red (41%)

Yellow (47%)

Blue (64%)

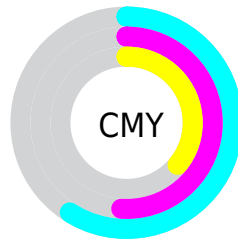


Cyan (35%)

Magenta (23%)

Yellow (0%)

Black (36%)



Cyan (59%)

Magenta (51%)

Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 20.0272, 0.2553, 0.2615 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 20.0272, 0.2553, 0.2615 by changing the saturation by 10% instead.

■ 20.0272, 0.2553,
0.2615

■ 20.0272, 0.2553,
0.2615

■ 252.0623, 0.2875,
0.2990

■ 12.4148, 0.2460,
0.2508

■ 43.4628, 0.2679,
0.2761

■ 7.0268, 0.2331,
0.2361

■ 60.0548, 0.2724,
0.2813

■ 3.4789, 0.2144,
0.2151

■ 80.4088, 0.2761,
0.2856

■ 1.3866, 0.1854,
0.1828

■ 104.9091, 0.2791,
0.2891

■ 0.2068, 0.1028,
0.0815

■ 133.9403, 0.2817,
0.2922

■ 0.0000, 0.0000,
0.0000

167.8866, 0.2839,

0.2948

207.1325, 0.2858,
0.2970

■ 20.0272, 0.2553,
0.2615

■ 20.0272, 0.2553,
0.2615

■ 16.5800, 0.2377,
0.2381

■ 23.9589, 0.2726,
0.2832

■ 13.5947, 0.2203,
0.2135

■ 28.3916, 0.2893,
0.3029

■ 11.0506, 0.2039,
0.1883

■ 33.3439, 0.3050,
0.3206

■ 8.9238, 0.1892,
0.1634

■ 38.8325, 0.3196,
0.3363

■ 7.1881, 0.1770,
0.1400

■ 44.8737, 0.3331,
0.3502

■ 5.8122, 0.1677,
0.1189

■ 51.4827, 0.3454,
0.3624

■ 5.2509, 0.1638,
0.1097

■ 58.6744, 0.3566,
0.3730

■ 66.4629, 0.3668,
0.3822

■ 74.8620, 0.3760,
0.3903

Harmonies

Analogous

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



20.0272, 0.2373, 0.2743



20.0272, 0.2553, 0.2615



20.0272, 0.2888, 0.2653

Triad

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



20.0272, 0.2553, 0.2615



20.0272, 0.3940, 0.3458



20.0272, 0.2909, 0.3820

Complementary

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



20.0272, 0.2553, 0.2615



28.3320, 0.3735, 0.3882

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.



20.0272, 0.3325, 0.4033



20.0272, 0.2553, 0.2615



20.0272, 0.3935, 0.3780

Square

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



20.0272, 0.2553, 0.2615



20.0272, 0.3706, 0.3120



20.0272, 0.3704, 0.4004



20.0272, 0.2567, 0.3435

Rectangle

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



20.0272, 0.2553, 0.2615



20.0272, 0.3167, 0.2760



20.0272, 0.3704, 0.4004



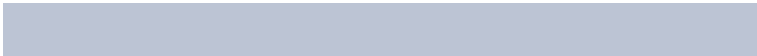
20.0272, 0.3044, 0.3916

Sweetspot

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



20.0280, 0.2553, 0.2615



55.0160, 0.2957, 0.3102



30.7892, 0.2789, 0.3634



12.1023, 0.2936, 0.3079



82.7571, 0.3127, 0.3290



14.7319, 0.3127, 0.3290

Same Dimension

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



20.0280, 0.2553, 0.2615



31.5221, 0.2419, 0.2438



16.2561, 0.2597, 0.2288



7.2282, 0.2987, 0.3136



4.2104, 0.1643, 0.1113



0.1725, 0.1846, 0.1845

Inverse Universe

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



19.2360, 0.3664, 0.2989



30.3316, 0.3836, 0.2923



33.6663, 0.3554, 0.4172



7.1231, 0.3235, 0.3215



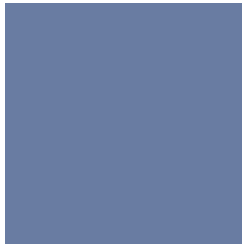
6.2692, 0.5592, 0.2854



0.1402, 0.4633, 0.2326

Previews

White Background



This preview shows how the Yxy color 20.0272, 0.2553, 0.2615 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 20.0272, 0.2553, 0.2615 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

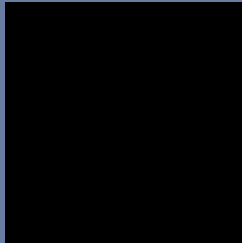
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

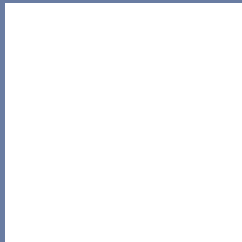
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 20.0272, 0.2553, 0.2615

Background



This preview shows how black text looks on a background with the Yxy color 20.0272, 0.2553, 0.2615.



This preview shows how white text looks on a background with the Yxy color 20.0272, 0.2553, 0.2615.

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

20.0272, 0.2553, 0.2615

Protanopia

19.9678, 0.2642, 0.2623

Deuteranopia

19.8965, 0.2624, 0.2561



Tritanopia

19.9551, 0.2703, 0.3078

Trichromacy



Original Color

20.0272, 0.2553, 0.2615

Protanomaly

20.0541, 0.2606, 0.2620

Deuteranomaly

19.9429, 0.2597, 0.2573

Tritanomaly

20.0520, 0.2649, 0.2915

Monochromacy



Original Color

20.0272, 0.2553, 0.2615

Achromatopsia

19.8069, 0.3127, 0.3290

Achromatomaly

19.6851, 0.2894, 0.3030

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.0272, 0.2553, 0.2615 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(105, 124, 162)` looks like.

```
.text, #text, p{  
    color:rgb(105, 124, 162)  
}
```

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(105, 124, 162) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 124, 162) }
```

Border

The CSS property to change the border of an element to Yxy 20.0272, 0.2553, 0.2615 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(105, 124, 162) }
```

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

```
.border{ border-color:rgb(105, 124, 162) }
```

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

Here you see how a box with a 4 pixel `rgb(105, 124, 162)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(105, 124, 162); -webkit-box-  
shadow:4px 4px 4px 4px rgb(105, 124, 162);  
box-shadow:4px 4px 4px 4px rgb(105, 124,  
162) }
```


Background

The CSS property to change the background color of an element to Yxy 20.0272, 0.2553, 0.2615 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(105, 124, 162) }
```

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

```
.background{ background-color: rgb(105,  
124, 162) }
```

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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