

Converting Colors

$Y_{xy}(20.0451, 0.2575, 0.2351)$

Have a look what the booklet for
Yxy(20.0451, 0.2575, 0.2351)
contains.

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Color

Yxy(20.0451, 0.2575, 0.2351)

Conversions

Conversions Part 1

Format	Color
Hex	7876AF
RGB	120, 118, 175
RGB Percent	47%, 46%, 69%
CMY	0.5296, 0.5372, 0.3138
CMYK	0.31, 0.33, 0.00, 0.31
HSL	242°, 26%, 57%
HSV	242°, 33%, 69%
XYZ	21.9550, 20.0451, 43.2619
YIQ	125.0960, -17.1050, 18.1510

Conversions

Conversions Part 2

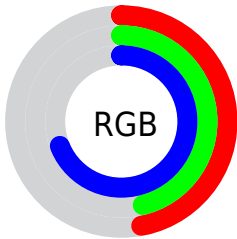
Format	Color
R_{YB}	120, 118, 175
Decimal	7894703
CIE _{Lab}	51.89, 14.16, -29.98
CIE _{LCh}	52, 33.161, 295.286
Yxy	20.0451, 0.2575, 0.2351
Android (android.graphics.Color)	4286084783 (0xFF7876AF)
YUV	125.0960, 24.6027, -4.4692
Hunter-Lab	44.7718, 9.1814, -25.9504

Details

The Yxy color **20.0451, 0.2575, 0.2351** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **40.8546, 0.3590, 0.4092**, and the grayscale version is **20.4602, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.5176, 0.2700, 0.2540**, and **7.0507, 0.2361, 0.2041** is the 20% darker color. If you saturate the color by 10%, you get **15.1955, 0.2371, 0.2008**, and if you desaturate by 10%, it is **25.8742, 0.2766, 0.2674**.

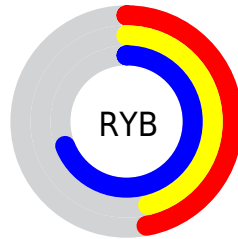
Distribution



Red (47%)

Green (46%)

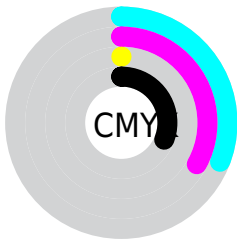
Blue (69%)



Red (47%)

Yellow (46%)

Blue (69%)

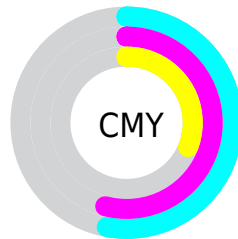


Cyan (31%)

Magenta (33%)

Yellow (0%)

Black (31%)



Cyan (53%)

Magenta (54%)

Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 20.0451, 0.2575, 0.2351 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 20.0451, 0.2575, 0.2351 by changing the saturation by 10% instead.

■ 20.0451, 0.2575,
0.2351

■ 20.0451, 0.2575,
0.2351

■ 252.1592, 0.2888,
0.2857

■ 12.4278, 0.2484,
0.2214

■ 43.4928, 0.2698,
0.2543

■ 7.0358, 0.2358,
0.2033

■ 60.0920, 0.2742,
0.2612

■ 3.4845, 0.2178,
0.1785

■ 80.4540, 0.2777,
0.2670

■ 1.3896, 0.1900,
0.1431

■ 104.9631, 0.2807,
0.2719

■ 0.2090, 0.1427,
0.0548

■ 134.0038, 0.2832,
0.2761

■ 0.0000, 0.0000,
0.0000

167.9604, 0.2853,

0.2797

207.2174, 0.2872,
0.2829

■ 20.0451, 0.2575,
0.2351

■ 20.0451, 0.2575,
0.2351

■ 15.1955, 0.2371,
0.2008

■ 25.8742, 0.2766,
0.2674

■ 11.2695, 0.2162,
0.1660

■ 32.7301, 0.2938,
0.2967

■ 8.2092, 0.1961,
0.1328

■ 40.6596, 0.3091,
0.3229

■ 5.9492, 0.1784,
0.1038

■ 49.7060, 0.3225,
0.3457

■ 4.4146, 0.1644,
0.0813

■ 59.9103, 0.3340,
0.3656

■ 3.5167, 0.1552,
0.0670

■ 71.3115, 0.3439,
0.3827

■ 3.1327, 0.1511,
0.0606

■ 83.9465, 0.3523,
0.3975

■ 95.8746, 0.3603,
0.4076

Harmonies

Analogous

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



20.0451, 0.2190, 0.2370



20.0451, 0.2575, 0.2351



20.0451, 0.3146, 0.2534

Triad

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



20.0451, 0.2575, 0.2351



20.0451, 0.4346, 0.3791



20.0451, 0.2477, 0.3734

Complementary

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



20.0451, 0.2575, 0.2351



40.8546, 0.3590, 0.4092

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.



20.0451, 0.3015, 0.4253



20.0451, 0.2575, 0.2351



20.0451, 0.4107, 0.4202

Square

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



20.0451, 0.2575, 0.2351



20.0451, 0.4227, 0.3319



20.0451, 0.3613, 0.4411



20.0451, 0.2133, 0.3105

Rectangle

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



20.0451, 0.2575, 0.2351



20.0451, 0.3568, 0.2747



20.0451, 0.3613, 0.4411



20.0451, 0.2640, 0.3935

Sweetspot

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



20.0459, 0.2575, 0.2351



61.8325, 0.2977, 0.3032



36.8684, 0.2667, 0.3259



13.3280, 0.2955, 0.2995



89.0005, 0.3127, 0.3290



17.0645, 0.3127, 0.3290

Same Dimension

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



20.0459, 0.2575, 0.2351



29.5468, 0.2431, 0.2108



22.3903, 0.2869, 0.2424



7.7696, 0.2990, 0.3056



2.2493, 0.1513, 0.0607



0.0667, 0.1571, 0.0639

Inverse Universe

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



25.0941, 0.3185, 0.2521



40.0059, 0.3199, 0.2358



37.9471, 0.3318, 0.4169



8.1433, 0.3143, 0.3074



8.5827, 0.3294, 0.1588



0.2402, 0.3266, 0.1573

Previews

White Background



This preview shows how the Yxy color 20.0451, 0.2575, 0.2351 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 20.0451, 0.2575, 0.2351 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

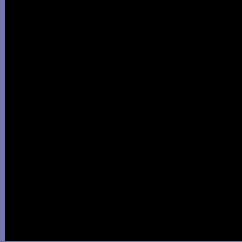
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.0451, 0.2575, 0.2351

Background



This preview shows how black text looks on a background with the Yxy color 20.0451, 0.2575, 0.2351.



This preview shows how white text looks on a background with the Yxy color 20.0451, 0.2575, 0.2351.

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

20.0451, 0.2575, 0.2351

Protanopia

20.1976, 0.2433, 0.2347

Deuteranopia

20.0392, 0.2463, 0.2402



Tritanopia

20.1440, 0.2863, 0.3102

Trichromacy



Original Color

20.0451, 0.2575, 0.2351

Protanomaly

20.2286, 0.2482, 0.2354

Deuteranomaly

20.1102, 0.2505, 0.2395

Tritanomaly

20.0128, 0.2755, 0.2805

Monochromacy



Original Color

20.0451, 0.2575, 0.2351

Achromatopsia

20.5079, 0.3127, 0.3290

Achromatomaly

20.1132, 0.2911, 0.2915

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.0451, 0.2575, 0.2351 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(120, 118, 175)` looks like.

```
.text, #text, p{  
    color:rgb(120, 118, 175)  
}
```

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(120, 118, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 118, 175) }
```

Border

The CSS property to change the border of an element to Yxy 20.0451, 0.2575, 0.2351 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(120, 118, 175) }
```

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

```
.border{ border-color:rgb(120, 118, 175) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 118, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 118, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 118, 175);  
box-shadow:4px 4px 4px 4px rgb(120, 118,  
175) }
```


Background

The CSS property to change the background color of an element to Yxy 20.0451, 0.2575, 0.2351 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 118, 175) }
```

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

```
.background{ background-color: rgb(120,  
118, 175) }
```

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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