

Converting Colors

$Y_{xy}(20.0467, 0.2597, 0.2522)$

Have a look what the booklet for
Yxy(20.0467, 0.2597, 0.2522)
contains.

Yxy(20.0053, 0.2598, 0.2516)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(20.0053, 0.2598, 0.2516)

Conversions

Conversions Part 1

Format	Color
Hex	7279A6
RGB	114, 121, 166
RGB Percent	45%, 47%, 65%
CMY	0.5530, 0.5255, 0.3490
CMYK	0.31, 0.27, 0.00, 0.35
HSL	232°, 23%, 55%
HSV	232°, 31%, 65%
XYZ	20.6573, 20.0053, 38.8497
YIQ	124.0370, -18.6170, 12.5110

Conversions

Conversions Part 2

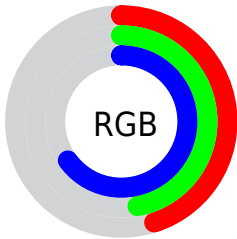
Format	Color
RYB	114, 120, 166
Decimal	7502246
CIELab	51.84, 8.19, -24.88
CIElCh	52, 26.196, 288.220
Yxy	20.0053, 0.2598, 0.2516
Android (android.graphics.Color)	4285692326 (0xFF7279A6)
YUV	124.0370, 20.6878, -8.8024
Hunter-Lab	44.7273, 4.1675, -20.1897

Details

The Yxy color $20.0053, 0.2598, 0.2516$ is a dark color, and the websafe version is hex 666699 . A complement of this color would be $34.1072, 0.3618, 0.3961$, and the grayscale version is $20.1026, 0.3127, 0.3290$.

A 20% lighter version of the original color is $43.3231, 0.2717, 0.2679$, and $7.0700, 0.2392, 0.2245$ is the 20% darker color. If you saturate the color by 10%, you get $15.7586, 0.2403, 0.2218$, and if you desaturate by 10%, it is $24.9749, 0.2783, 0.2792$.

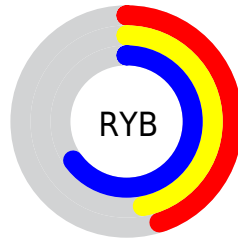
Distribution



Red (45%)

Green (47%)

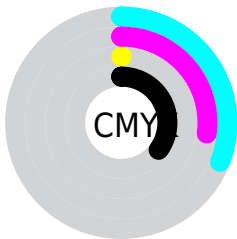
Blue (65%)



Red (45%)

Yellow (47%)

Blue (65%)

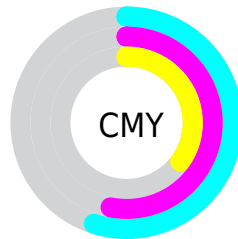


Cyan (31%)

Magenta (27%)

Yellow (0%)

Black (35%)



Cyan (55%)

Magenta (53%)

Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 20.0053, 0.2598, 0.2516 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 20.0053, 0.2598, 0.2516 by changing the saturation by 10% instead.

■ 20.0053, 0.2598,
0.2516

■ 20.0053, 0.2598,
0.2516

251.9438, 0.2897,
0.2940

■ 12.3989, 0.2511,
0.2397

■ 43.4261, 0.2716,
0.2680

■ 7.0160, 0.2390,
0.2237

■ 60.0092, 0.2757,
0.2738

■ 3.4721, 0.2215,
0.2012

■ 80.3534, 0.2791,
0.2787

■ 1.3829, 0.1941,
0.1675

104.8431, 0.2819,
0.2827

■ 0.2041, 0.1338,
0.0693

133.8625, 0.2843,
0.2862

■ 0.0000, 0.0000,
0.0000

167.7962, 0.2864,

0.2892

207.0285, 0.2881,
0.2918

■ 20.0053, 0.2598,
0.2516

■ 20.0053, 0.2598,
0.2516

■ 15.7586, 0.2403,
0.2218

■ 24.9749, 0.2783,
0.2792

■ 12.1986, 0.2205,
0.1906

■ 30.6966, 0.2953,
0.3041

■ 9.2895, 0.2013,
0.1594

■ 37.2008, 0.3108,
0.3262

■ 6.9915, 0.1839,
0.1300

■ 44.5156, 0.3246,
0.3457

■ 5.2600, 0.1696,
0.1042

■ 52.6676, 0.3368,
0.3626

■ 4.0442, 0.1592,
0.0840

■ 61.6823, 0.3476,
0.3772

■ 3.3441, 0.1532,
0.0714

■ 71.5841, 0.3571,
0.3899

■ 82.3963, 0.3655,
0.4009

■ 92.5177, 0.3670,
0.4121

Harmonies

Analogous

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



20.0053, 0.2322, 0.2582



20.0053, 0.2598, 0.2516



20.0053, 0.3032, 0.2627

Triad

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



20.0053, 0.2598, 0.2516



20.0053, 0.4097, 0.3623



20.0053, 0.2705, 0.3748

Complementary

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



20.0053, 0.2598, 0.2516



34.1072, 0.3618, 0.3961

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.



20.0053, 0.3162, 0.4093



20.0053, 0.2598, 0.2516



20.0053, 0.3980, 0.3965

Square

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



20.0053, 0.2598, 0.2516



20.0053, 0.3930, 0.3236



20.0053, 0.3631, 0.4160



20.0053, 0.2377, 0.3266

Rectangle

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



20.0053, 0.2598, 0.2516



20.0053, 0.3363, 0.2784



20.0053, 0.3631, 0.4160



20.0053, 0.2848, 0.3888

Sweetspot

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



20.0061, 0.2598, 0.2516



58.1527, 0.2988, 0.3092



33.3245, 0.2744, 0.3416



12.6573, 0.2966, 0.3059



84.8088, 0.3127, 0.3290



15.4872, 0.3127, 0.3290

Same Dimension

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



20.0061, 0.2598, 0.2516



30.5067, 0.2455, 0.2298



19.7030, 0.2776, 0.2437



7.4581, 0.2986, 0.3089



2.6351, 0.1534, 0.0724



0.1118, 0.1655, 0.1158

Inverse Universe

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



21.5172, 0.3725, 0.3182



33.9307, 0.3931, 0.3156



34.7642, 0.3405, 0.4104



7.5582, 0.3265, 0.3260



6.3371, 0.6193, 0.3186



0.1590, 0.5526, 0.2818

Previews

White Background



This preview shows how the Yxy color 20.0053, 0.2598, 0.2516 looks on a white background.

Color Contrast Check

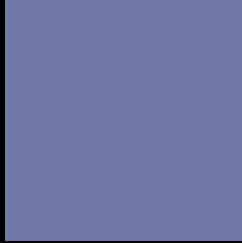
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.0053, 0.2598, 0.2516 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

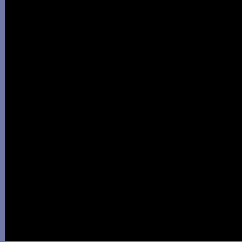
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.0053, 0.2598, 0.2516

Background



This preview shows how black text looks on a background with the Yxy color 20.0053, 0.2598, 0.2516.



This preview shows how white text looks on a background with the Yxy color 20.0053, 0.2598, 0.2516.

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

20.0053, 0.2598, 0.2516

Protanopia

20.0886, 0.2563, 0.2513

Deuteranopia

20.1170, 0.2581, 0.2530



Tritanopia

20.1730, 0.2811, 0.3101

Trichromacy



Original Color

20.0053, 0.2598, 0.2516

Protanomaly

20.1538, 0.2573, 0.2515

Deuteranomaly

20.1830, 0.2591, 0.2532

Tritanomaly

20.1203, 0.2725, 0.2869

Monochromacy



Original Color

20.0053, 0.2598, 0.2516

Achromatopsia

20.1556, 0.3127, 0.3290

Achromatomaly

20.0231, 0.2919, 0.2999

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.0053, 0.2598, 0.2516 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(114, 121, 166)` looks like.

```
.text, #text, p{  
    color:rgb(114, 121, 166)  
}
```

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(114, 121, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(114, 121, 166) }
```

Border

The CSS property to change the border of an element to Yxy 20.0053, 0.2598, 0.2516 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(114, 121, 166) }
```

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

```
.border{ border-color:rgb(114, 121, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(114, 121, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(114, 121, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(114, 121, 166);  
box-shadow:4px 4px 4px 4px rgb(114, 121,  
166) }
```


Background

The CSS property to change the background color of an element to Yxy 20.0053, 0.2598, 0.2516 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(114, 121, 166) }
```

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

```
.background{ background-color: rgb(114,  
121, 166) }
```

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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