

Converting Colors

$Y_{xy}(20.8166, 0.2503, 0.2938)$

Have a look what the booklet for
Yxy(20.8166, 0.2503, 0.2938)
contains.

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Color

Yxy(20.7153, 0.2499, 0.2929)

Conversions

Conversions Part 1

Format	Color
Hex	568497
RGB	86, 132, 151
RGB Percent	34%, 52%, 59%
CMY	0.6627, 0.4823, 0.4079
CMYK	0.43, 0.13, 0.00, 0.41
HSL	198°, 27%, 46%
HSV	198°, 43%, 59%
XYZ	17.6741, 20.7153, 32.3354
YIQ	120.4120, -33.5150, -3.8430

Conversions

Conversions Part 2

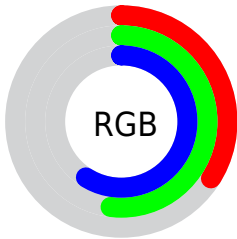
Format	Color
R _Y B	86, 113, 151
Decimal	5670039
CIE Lab	52.64, -10.46, -15.10
CIE LCh	53, 18.365, 235.286
Yxy	20.7153, 0.2499, 0.2929
Android (android.graphics.Color)	4283860119 (0xFF568497)
YUV	120.4120, 15.0799, -30.1793
Hunter-Lab	45.5141, -10.3341, -10.2626

Details

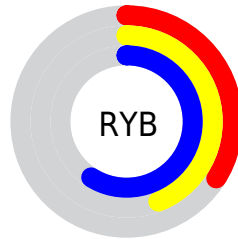
The Yxy color **20.7153, 0.2499, 0.2929** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **17.3500, 0.4063, 0.3617**, and the grayscale version is **18.8809, 0.3127, 0.3290**.

A 20% lighter version of the original color is **44.5947, 0.2638, 0.3015**, and **7.4467, 0.2269, 0.2792** is the 20% darker color. If you saturate the color by 10%, you get **18.9025, 0.2371, 0.2829**, and if you desaturate by 10%, it is **22.7316, 0.2637, 0.3024**.

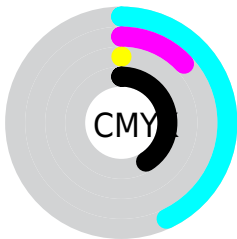
Distribution



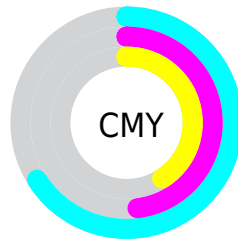
- Red (34%)
- Green (52%)
- Blue (59%)



- Red (34%)
- Yellow (44%)
- Blue (59%)



- Cyan (43%)
- Magenta (13%)
- Yellow (0%)
- Black (41%)



- Cyan (66%)
- Magenta (48%)
- Yellow (41%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 20.7153, 0.2499, 0.2929 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 20.7153, 0.2499, 0.2929 by changing the saturation by 10% instead.

■ 20.7153, 0.2499,
0.2929

■ 20.7153, 0.2499,
0.2929

■ 255.7616, 0.2848,
0.3138

■ 12.9161, 0.2399,
0.2865

■ 44.6132, 0.2635,
0.3013

■ 7.3708, 0.2262,
0.2774

■ 61.4807, 0.2683,
0.3042

■ 3.6950, 0.2063,
0.2637

■ 82.1397, 0.2723,
0.3066

■ 1.5045, 0.1755,
0.2408

■ 106.9747, 0.2756,
0.3085

■ 0.2919, 0.0127,
0.1670

■ 136.3699, 0.2784,
0.3101

■ 0.0000, 0.0000,
0.0000

170.7099, 0.2808,

0.3115

210.3790, 0.2829,
0.3127

■ 20.7153, 0.2499,
0.2929

■ 20.7153, 0.2499,
0.2929

■ 18.9025, 0.2371,
0.2829

■ 22.7316, 0.2637,
0.3024

■ 17.2807, 0.2256,
0.2724

■ 24.9585, 0.2783,
0.3113

■ 15.8392, 0.2157,
0.2617

■ 27.4054, 0.2932,
0.3194

■ 14.5653, 0.2077,
0.2508

■ 30.0804, 0.3082,
0.3269

■ 13.4436, 0.2016,
0.2401

■ 32.9913, 0.3231,
0.3336

■ 12.7242, 0.1980,
0.2326

■ 36.1454, 0.3376,
0.3396

■ 39.5495, 0.3517,
0.3450

■ 43.2102, 0.3652,
0.3497

■ 47.1339, 0.3781,
0.3538

Harmonies

Analogous

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



20.7153, 0.2562, 0.3206



20.7153, 0.2499, 0.2929



20.7153, 0.2591, 0.2768

Triad

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



20.7153, 0.2499, 0.2929



20.7153, 0.3481, 0.3059



20.7153, 0.3414, 0.3893

Complementary

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



20.7153, 0.2499, 0.2929



17.3500, 0.4063, 0.3617

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.



20.7153, 0.3680, 0.3813



20.7153, 0.2499, 0.2929



20.7153, 0.3725, 0.3327

Square

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



20.7153, 0.2499, 0.2929



20.7153, 0.3146, 0.2851



20.7153, 0.3797, 0.3600



20.7153, 0.3080, 0.3792

Rectangle

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



20.7153, 0.2499, 0.2929



20.7153, 0.2732, 0.2738



20.7153, 0.3797, 0.3600



20.7153, 0.3514, 0.3885

Sweetspot

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



20.7161, 0.2499, 0.2929



48.9895, 0.2928, 0.3193



25.1132, 0.2920, 0.4208



10.9219, 0.2897, 0.3176



76.7769, 0.3127, 0.3290



12.5967, 0.3127, 0.3290

Same Dimension

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



20.7161, 0.2499, 0.2929



33.8592, 0.2371, 0.2828



13.3441, 0.2394, 0.2283



6.7216, 0.2989, 0.3224



10.8788, 0.1981, 0.2332



0.2244, 0.2112, 0.2804

Inverse Universe

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



14.9009, 0.3445, 0.2534



22.6049, 0.3547, 0.2371



25.1129, 0.3837, 0.4123



6.2929, 0.3179, 0.3134



6.5035, 0.4092, 0.2028



0.1035, 0.3631, 0.1774

Previews

White Background



This preview shows how the Yxy color 20.7153, 0.2499, 0.2929 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 20.7153, 0.2499, 0.2929 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

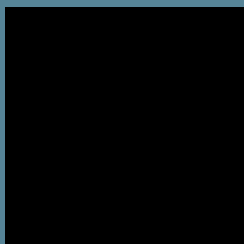
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.7153, 0.2499, 0.2929

Background



This preview shows how black text looks on a background with the Yxy color 20.7153, 0.2499, 0.2929.



This preview shows how white text looks on a background with the Yxy color 20.7153, 0.2499, 0.2929.

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

20.7153, 0.2499, 0.2929

Protanopia

20.5556, 0.2859, 0.2898

Deuteranopia

20.4299, 0.2810, 0.2750



Tritanopia

20.6735, 0.2540, 0.3075

Trichromacy



Original Color

20.7153, 0.2499, 0.2929

Protanomaly

20.5050, 0.2708, 0.2905

Deuteranomaly

20.5037, 0.2691, 0.2821

Tritanomaly

20.8129, 0.2525, 0.3020

Monochromacy



Original Color

20.7153, 0.2499, 0.2929

Achromatopsia

18.7821, 0.3127, 0.3290

Achromatomaly

19.2421, 0.2867, 0.3155

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.7153, 0.2499, 0.2929 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(86, 132, 151)` looks like.

```
.text, #text, p{  
    color:rgb(86, 132, 151)  
}
```

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(86, 132, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 132, 151) }
```

Border

The CSS property to change the border of an element to Yxy 20.7153, 0.2499, 0.2929 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(86, 132, 151) }
```

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

```
.border{ border-color:rgb(86, 132, 151) }
```

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

Here you see how a box with a 4 pixel `rgb(86, 132, 151)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(86, 132, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(86, 132, 151);  
box-shadow:4px 4px 4px 4px rgb(86, 132,  
151) }
```


Background

The CSS property to change the background color of an element to Yxy 20.7153, 0.2499, 0.2929 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(86, 132, 151) }
```

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

```
.background{ background-color: rgb(86, 132,  
151) }
```

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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