

Converting Colors

$Y_{xy}(20.8368, 0.2589, 0.3044)$

Have a look what the booklet for
Yxy(20.8368, 0.2589, 0.3044)
contains.

Yxy(20.7710, 0.2588, 0.3041)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

$Y_{xy}(20.7710, 0.2588, 0.3041)$

Conversions

Conversions Part 1

Format	Color
Hex	5B8491
RGB	91, 132, 145
RGB Percent	36%, 52%, 57%
CMY	0.6430, 0.4824, 0.4315
CMYK	0.37, 0.09, 0.00, 0.43
HSL	194°, 23%, 46%
HSV	194°, 37%, 57%
XYZ	17.6769, 20.7710, 29.8553
YIQ	121.2230, -28.6090, -4.6490

Conversions

Conversions Part 2

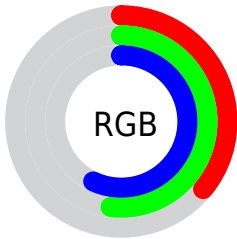
Format	Color
R_{YB}	91, 114, 145
Decimal	5997713
CIE _{Lab}	52.70, -10.71, -11.49
CIE _{LCh}	53, 15.705, 227.010
Yxy	20.7710, 0.2588, 0.3041
Android (android.graphics.Color)	4284187793 (0xFF5B8491)
YUV	121.2230, 11.7221, -26.5056
Hunter-Lab	45.5752, -10.5234, -6.9369

Details

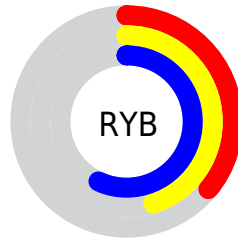
The Yxy color **20.7710, 0.2588, 0.3041** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **16.6748, 0.3911, 0.3523**, and the grayscale version is **19.1665, 0.3127, 0.3290**.

A 20% lighter version of the original color is **44.6611, 0.2703, 0.3096**, and **7.4842, 0.2381, 0.2934** is the 20% darker color. If you saturate the color by 10%, you get **19.1746, 0.2459, 0.2962**, and if you desaturate by 10%, it is **22.5431, 0.2726, 0.3115**.

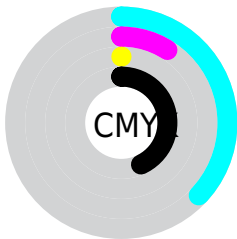
Distribution



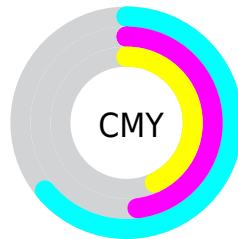
- Red (36%)
- Green (52%)
- Blue (57%)



- Red (36%)
- Yellow (45%)
- Blue (57%)



- Cyan (37%)
- Magenta (9%)
- Yellow (0%)
- Black (43%)



- Cyan (64%)
- Magenta (48%)
- Yellow (43%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 20.7710, 0.2588, 0.3041 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 20.7710, 0.2588, 0.3041 by changing the saturation by 10% instead.

■ 20.7710, 0.2588,
0.3041

■ 20.7710, 0.2588,
0.3041

■ 256.0590, 0.2889,
0.3186

■ 12.9567, 0.2501,
0.2996

■ 44.7061, 0.2706,
0.3100

■ 7.3987, 0.2381,
0.2931

■ 61.5957, 0.2747,
0.3120

■ 3.7127, 0.2205,
0.2831

■ 82.2792, 0.2781,
0.3136

■ 1.5142, 0.1926,
0.2659

■ 107.1410, 0.2810,
0.3150

■ 0.2987, 0.0154,
0.2047

■ 136.5655, 0.2834,
0.3161

■ 0.0000, 0.0000,
0.0000

170.9370, 0.2855,

0.3171

210.6401, 0.2873,
0.3179

■ 20.7710, 0.2588,
0.3041

■ 20.7710, 0.2588,
0.3041

■ 19.1746, 0.2459,
0.2962

■ 22.5431, 0.2726,
0.3115

■ 17.7427, 0.2343,
0.2879

■ 24.4961, 0.2871,
0.3184

■ 16.4670, 0.2241,
0.2794

■ 26.6384, 0.3020,
0.3248

■ 15.3368, 0.2157,
0.2707

■ 28.9767, 0.3169,
0.3306

■ 14.3401, 0.2092,
0.2620

■ 31.5176, 0.3317,
0.3357

■ 13.4557, 0.2043,
0.2533

■ 34.2672, 0.3462,
0.3404

■ 13.2183, 0.2030,
0.2509

■ 37.2314, 0.3602,
0.3445

■ 40.4159, 0.3738,
0.3481

■ 43.8260, 0.3867,
0.3513

Harmonies

Analogous

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



20.7710, 0.2680, 0.3296



20.7710, 0.2588, 0.3041



20.7710, 0.2631, 0.2870

Triad

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



20.7710, 0.2588, 0.3041



20.7710, 0.3356, 0.3035



20.7710, 0.3446, 0.3800

Complementary

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



20.7710, 0.2588, 0.3041



16.6748, 0.3911, 0.3523

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.



20.7710, 0.3642, 0.3698



20.7710, 0.2588, 0.3041



20.7710, 0.3592, 0.3258

Square

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



20.7710, 0.2588, 0.3041



20.7710, 0.3064, 0.2876



20.7710, 0.3698, 0.3498



20.7710, 0.3169, 0.3754

Rectangle

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



20.7710, 0.2588, 0.3041



20.7710, 0.2732, 0.2819



20.7710, 0.3698, 0.3498



20.7710, 0.3524, 0.3780

Sweetspot

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



20.7718, 0.2588, 0.3041



46.1393, 0.2960, 0.3223



23.4606, 0.2968, 0.4115



10.1628, 0.2942, 0.3216



72.9347, 0.3127, 0.3290



11.2805, 0.3127, 0.3290

Same Dimension

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



20.7718, 0.2588, 0.3041



34.6987, 0.2475, 0.2972



14.4571, 0.2513, 0.2502



5.8995, 0.2990, 0.3236



11.3833, 0.2032, 0.2514



0.1429, 0.2144, 0.2919

Inverse Universe

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



15.1706, 0.3348, 0.2594



23.4754, 0.3417, 0.2436



22.8960, 0.3747, 0.3968



5.4892, 0.3171, 0.3124



6.1355, 0.3908, 0.1926



0.0621, 0.3527, 0.1716

Previews

White Background



This preview shows how the Yxy color 20.7710, 0.2588, 0.3041 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 20.7710, 0.2588, 0.3041 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

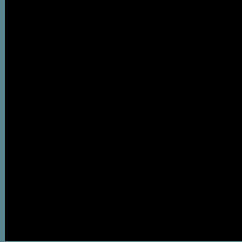
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

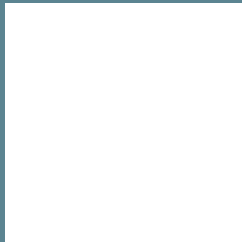
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 20.7710, 0.2588, 0.3041

Background



This preview shows how black text looks on a background with the Yxy color 20.7710, 0.2588, 0.3041.



This preview shows how white text looks on a background with the Yxy color 20.7710, 0.2588, 0.3041.

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

20.7710, 0.2588, 0.3041

Protanopia

20.5197, 0.2943, 0.3003

Deuteranopia

20.5377, 0.2915, 0.2853



Tritanopia

20.7098, 0.2604, 0.3078

Trichromacy



Original Color

20.7710, 0.2588, 0.3041

Protanomaly

20.5112, 0.2795, 0.3013

Deuteranomaly

20.5744, 0.2787, 0.2927

Tritanomaly

20.7403, 0.2596, 0.3059

Monochromacy



Original Color

20.7710, 0.2588, 0.3041

Achromatopsia

19.1202, 0.3127, 0.3290

Achromatomaly

19.5939, 0.2900, 0.3194

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.7710, 0.2588, 0.3041 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(91, 132, 145)` looks like.

```
.text, #text, p{  
    color:rgb(91, 132, 145)  
}
```

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(91, 132, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(91, 132, 145) }
```

Border

The CSS property to change the border of an element to Yxy 20.7710, 0.2588, 0.3041 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(91, 132, 145) }
```

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

```
.border{ border-color:rgb(91, 132, 145) }
```

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

Here you see how a box with a 4 pixel rgb(91, 132, 145) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(91, 132, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(91, 132, 145);  
box-shadow:4px 4px 4px 4px rgb(91, 132,  
145) }
```


Background

The CSS property to change the background color of an element to Yxy 20.7710, 0.2588, 0.3041 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(91, 132, 145) }
```

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

```
.background{ background-color: rgb(91, 132,  
145) }
```

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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