

Converting Colors

$Y_{xy}(20.8979, 0.2657, 0.2839)$

Have a look what the booklet for
Yxy(20.8979, 0.2657, 0.2839)
contains.

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Color

$\text{Yxy}(20.8641, 0.2656, 0.2837)$

Conversions

Conversions Part 1	
Format	Color
Hex	6B8099
RGB	107, 128, 153
RGB Percent	42%, 50%, 60%
CMY	0.5804, 0.4980, 0.3999
CMYK	0.30, 0.16, 0.00, 0.40
HSL	213°, 18%, 51%
HSV	213°, 30%, 60%
XYZ	19.5330, 20.8641, 33.1458
YIQ	124.5710, -20.5410, 3.3230

Conversions

Conversions Part 2

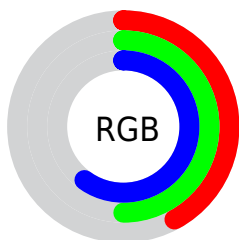
Format	Color
RYB	107, 121, 153
Decimal	7045273
CIELab	52.80, -1.49, -15.92
CIELCh	53, 15.989, 264.647
Yxy	20.8641, 0.2656, 0.2837
Android (android.graphics.Color)	4285235353 (0xFF6B8099)
YUV	124.5710, 14.0155, -15.4098
Hunter-Lab	45.6772, -3.6031, -11.0498

Details

The Yxy color `20.8641, 0.2656, 0.2837` is a dark color, and the websafe version is hex `6699CC`. A complement of this color would be `24.3425, 0.3659, 0.3703`, and the grayscale version is `20.3142, 0.3127, 0.3290`.

A 20% lighter version of the original color is `44.9237, 0.2760, 0.2946`, and `7.4508, 0.2475, 0.2658` is the 20% darker color. If you saturate the color by 10%, you get `17.9172, 0.2493, 0.2656`, and if you desaturate by 10%, it is `24.1585, 0.2818, 0.3003`.

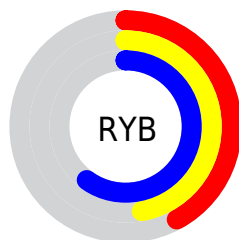
Distribution



Red (42%)

Green (50%)

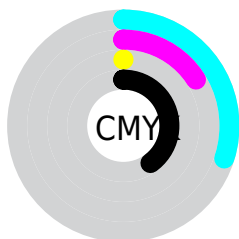
Blue (60%)



Red (42%)

Yellow (47%)

Blue (60%)

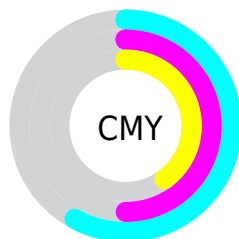


Cyan (30%)

Magenta (16%)

Yellow (0%)

Black (40%)



Cyan (58%)


Magenta (50%)


Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.8641, 0.2656, 0.2837 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 20.8641, 0.2656, 0.2837 by changing the saturation by 10% instead.


 20.8641, 0.2656,
0.2837


 20.8641, 0.2656,
0.2837


256.5554, 0.2920,
0.3092


 13.0247, 0.2579,
0.2762


 44.8612, 0.2759,
0.2937


 7.4456, 0.2473,
0.2658


 61.7878, 0.2796,
0.2973

 3.7423, 0.2318,
0.2506


 82.5122, 0.2826,
0.3002

 1.5305, 0.2072,
0.2260

 107.4188, 0.2851,
0.3026

 0.3100, 0.1227,
0.1473

136.8920, 0.2872,
0.3046

 0.0000, 0.0000,
0.0000

171.3162, 0.2890,

0.3063

211.0759, 0.2906,
0.3079

■ 20.8641, 0.2656,
0.2837

■ 20.8641, 0.2656,
0.2837

■ 17.9172, 0.2493,
0.2656

■ 24.1585, 0.2818,
0.3003

■ 15.3021, 0.2332,
0.2463

■ 27.8101, 0.2975,
0.3154

■ 13.0056, 0.2179,
0.2260

■ 31.8314, 0.3126,
0.3289

■ 11.0124, 0.2039,
0.2053

■ 36.2335, 0.3268,
0.3409

■ 9.3056, 0.1917,
0.1846

■ 41.0268, 0.3402,
0.3516

■ 7.8660, 0.1818,
0.1647

■ 46.2216, 0.3526,
0.3609

■ 6.6619, 0.1739,
0.1461

■ 51.8275, 0.3641,
0.3691

■ 57.8539, 0.3747,
0.3763

■ 64.3098, 0.3845,
0.3826

Harmonies

Analogous

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



20.8641, 0.2577, 0.2982



20.8641, 0.2656, 0.2837



20.8641, 0.2857, 0.2812

Triad

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



20.8641, 0.2656, 0.2837



20.8641, 0.3642, 0.3319



20.8641, 0.3094, 0.3726

Complementary

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



20.8641, 0.2656, 0.2837



24.3425, 0.3659, 0.3703

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.



20.8641, 0.3384, 0.3812



20.8641, 0.2656, 0.2837



20.8641, 0.3709, 0.3559

Square

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



20.8641, 0.2656, 0.2837



20.8641, 0.3429, 0.3084



20.8641, 0.3612, 0.3743



20.8641, 0.2823, 0.3504

Rectangle

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



20.8641, 0.2656, 0.2837



20.8641, 0.3040, 0.2861



20.8641, 0.3612, 0.3743



20.8641, 0.3193, 0.3772

Sweetspot

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



20.8649, 0.2656, 0.2837



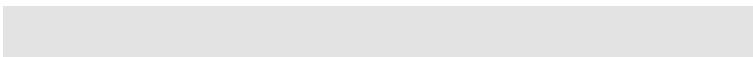
50.4107, 0.2989, 0.3167



27.5697, 0.2878, 0.3675



10.9266, 0.2969, 0.3147



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.



20.8649, 0.2656, 0.2837



33.7877, 0.2548, 0.2719



16.0352, 0.2630, 0.2443



6.4676, 0.2989, 0.3166



5.5693, 0.1743, 0.1474



0.1547, 0.1962, 0.2262

Inverse Universe

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



18.8467, 0.3482, 0.2944



29.9211, 0.3589, 0.2864



30.4789, 0.3551, 0.4023



6.2672, 0.3216, 0.3189



5.9675, 0.5093, 0.2580



0.0964, 0.4166, 0.2069

Previews

White Background



This preview shows how the Yxy color 20.8641, 0.2656, 0.2837 looks on a white background.

Color Contrast Check

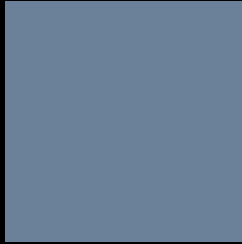
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.8641, 0.2656, 0.2837 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

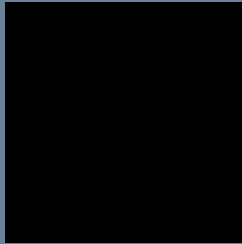
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

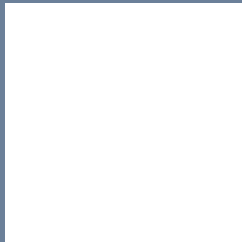
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 20.8641, 0.2656, 0.2837

Background



This preview shows how black text looks on a background with the Yxy color 20.8641, 0.2656, 0.2837.



This preview shows how white text looks on a background with the Yxy color 20.8641, 0.2656, 0.2837.

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

20.8641, 0.2656, 0.2837

Protanopia

20.8947, 0.2801, 0.2832

Deuteranopia

20.7841, 0.2813, 0.2754



Tritanopia

20.8314, 0.2738, 0.3083

Trichromacy



Original Color
20.8641, 0.2656, 0.2837

Protanomaly
20.8335, 0.2741, 0.2827

Deuteranomaly
20.8519, 0.2752, 0.2780

Tritanomaly
20.7481, 0.2709, 0.2992

Monochromacy



Original Color
20.8641, 0.2656, 0.2837

Achromatopsia
20.5079, 0.3127, 0.3290

Achromatomaly
20.5225, 0.2939, 0.3124

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.8641, 0.2656, 0.2837 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(107, 128, 153)` looks like.

```
.text, #text, p{  
    color:rgb(107, 128, 153)  
}
```

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(107, 128, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 128, 153) }
```

Border

The CSS property to change the border of an element to Yxy 20.8641, 0.2656, 0.2837 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(107, 128, 153) }
```

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

```
.border{ border-color:rgb(107, 128, 153) }
```

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

Here you see how a box with a 4 pixel rgb(107, 128, 153) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(107, 128, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(107, 128, 153);  
box-shadow:4px 4px 4px 4px rgb(107, 128,  
153) }
```


Background

The CSS property to change the background color of an element to Yxy 20.8641, 0.2656, 0.2837 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 128, 153) }
```

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

```
.background{ background-color: rgb(107,  
128, 153) }
```

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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