

Converting Colors

$Y_{xy}(20.8852, 0.2635, 0.2667)$

Have a look what the booklet for
Yxy(20.8852, 0.2635, 0.2667)
contains.

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Color

Yxy(21.0056, 0.2641, 0.2680)

Conversions

Conversions Part 1

Format	Color
Hex	717EA1
RGB	113, 126, 161
RGB Percent	44%, 49%, 63%
CMY	0.5570, 0.5058, 0.3687
CMYK	0.30, 0.22, 0.00, 0.37
HSL	224°, 20%, 54%
HSV	224°, 30%, 63%
XYZ	20.6999, 21.0056, 36.6736
YIQ	126.1030, -18.9830, 8.1290

Conversions

Conversions Part 2

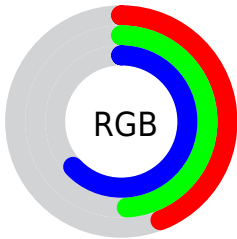
Format	Color
R_{YB}	113, 123, 161
Decimal	7437985
CIE _{Lab}	52.96, 3.60, -20.26
CIE _{LCh}	53, 20.582, 280.079
Yxy	21.0056, 0.2641, 0.2680
Android (android.graphics.Color)	4285628065 (0xFF717EA1)
YUV	126.1030, 17.2042, -11.4913
Hunter-Lab	45.8319, 0.4136, -15.3602

Details

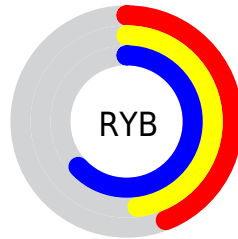
The Yxy color $21.0056, 0.2641, 0.2680$ is a dark color, and the websafe version is hex 666699 . A complement of this color would be $29.9293, 0.3618, 0.3833$, and the grayscale version is $20.8449, 0.3127, 0.3290$.

A 20% lighter version of the original color is $45.3051, 0.2749, 0.2815$, and $7.4686, 0.2451, 0.2453$ is the 20% darker color. If you saturate the color by 10%, you get $17.2064, 0.2460, 0.2433$, and if you desaturate by 10%, it is $25.3474, 0.2815, 0.2907$.

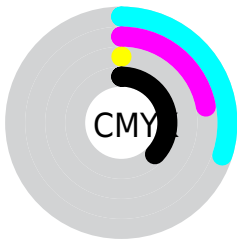
Distribution



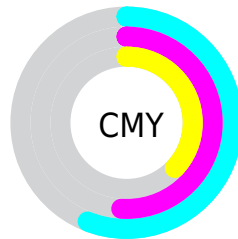
- Red (44%)
- Green (49%)
- Blue (63%)



- Red (44%)
- Yellow (48%)
- Blue (63%)



- Cyan (30%)
- Magenta (22%)
- Yellow (0%)
- Black (37%)



- Cyan (56%)
- Magenta (51%)
- Yellow (37%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 21.0056, 0.2641, 0.2680 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 21.0056, 0.2641, 0.2680 by changing the saturation by 10% instead.

■ 21.0056, 0.2641,
0.2680

■ 21.0056, 0.2641,
0.2680

■ 257.3083, 0.2913,
0.3017

■ 13.1281, 0.2562,
0.2584

■ 45.0969, 0.2748,
0.2811

■ 7.5168, 0.2453,
0.2453

■ 62.0794, 0.2785,
0.2858

■ 3.7874, 0.2295,
0.2265

■ 82.8657, 0.2816,
0.2896

■ 1.5553, 0.2045,
0.1976

■ 107.8403, 0.2842,
0.2928

■ 0.3272, 0.1453,
0.1191

■ 137.3874, 0.2864,
0.2955

■ 0.0000, 0.0000,
0.0000

171.8915, 0.2883,

0.2979

211.7370, 0.2899,
0.2999

■ 21.0056, 0.2641,
0.2680

■ 21.0056, 0.2641,
0.2680

■ 17.2064, 0.2460,
0.2433

■ 25.3474, 0.2815,
0.2907

■ 13.9253, 0.2277,
0.2170

■ 30.2501, 0.2978,
0.3111

■ 11.1393, 0.2099,
0.1899

■ 35.7341, 0.3130,
0.3293

■ 8.8227, 0.1935,
0.1629

■ 41.8182, 0.3268,
0.3454

■ 6.9473, 0.1793,
0.1373

■ 48.5201, 0.3394,
0.3594

■ 5.4812, 0.1681,
0.1145

■ 55.8570, 0.3507,
0.3717

■ 4.3705, 0.1599,
0.0953

■ 63.8451, 0.3610,
0.3824

■ 4.3533, 0.1597,
0.0950

■ 72.5003, 0.3701,
0.3917

■ 81.2917, 0.3762,
0.4003

Harmonies

Analogous

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



21.0056, 0.2460, 0.2780



21.0056, 0.2641, 0.2680



21.0056, 0.2956, 0.2729

Triad

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



21.0056, 0.2641, 0.2680



21.0056, 0.3862, 0.3480



21.0056, 0.2894, 0.3726

Complementary

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



21.0056, 0.2641, 0.2680



29.9293, 0.3618, 0.3833

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.



21.0056, 0.3264, 0.3937



21.0056, 0.2641, 0.2680



21.0056, 0.3835, 0.3762

Square

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



21.0056, 0.2641, 0.2680



21.0056, 0.3676, 0.3173



21.0056, 0.3611, 0.3940



21.0056, 0.2598, 0.3379

Rectangle

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



21.0056, 0.2641, 0.2680



21.0056, 0.3209, 0.2834



21.0056, 0.3611, 0.3940



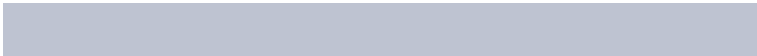
21.0056, 0.3013, 0.3817

Sweetspot

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



21.0064, 0.2641, 0.2680



54.7979, 0.2989, 0.3124



31.1114, 0.2810, 0.3519



11.7378, 0.2967, 0.3097



80.7346, 0.3127, 0.3290



13.9985, 0.3127, 0.3290

Same Dimension

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



21.0064, 0.2641, 0.2680



32.8621, 0.2518, 0.2513



18.6156, 0.2727, 0.2469



7.1585, 0.2987, 0.3122



3.5376, 0.1601, 0.0963



0.1484, 0.1794, 0.1658

Inverse Universe

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



20.8863, 0.3597, 0.3083



32.9135, 0.3750, 0.3034



33.2148, 0.3458, 0.4043



7.1161, 0.3244, 0.3229



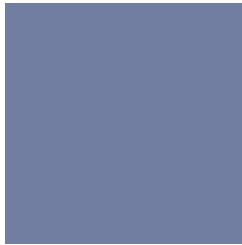
6.2012, 0.5814, 0.2977



0.1378, 0.4858, 0.2450

Previews

White Background



This preview shows how the Yxy color 21.0056, 0.2641, 0.2680 looks on a white background.

Color Contrast Check

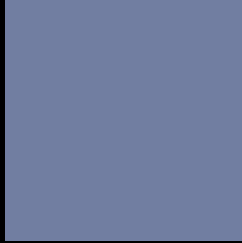
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.0056, 0.2641, 0.2680 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

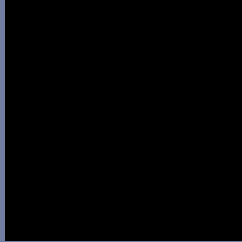
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

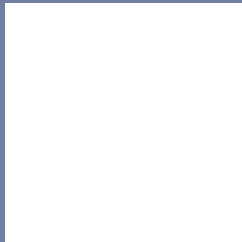
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 21.0056, 0.2641, 0.2680

Background



This preview shows how black text looks on a background with the Yxy color 21.0056, 0.2641, 0.2680.



This preview shows how white text looks on a background with the Yxy color 21.0056, 0.2641, 0.2680.

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

21.0056, 0.2641, 0.2680

Protanopia

20.9872, 0.2687, 0.2684

Deuteranopia

20.9816, 0.2707, 0.2656



Tritanopia

21.0469, 0.2787, 0.3103

Trichromacy



Original Color

21.0056, 0.2641, 0.2680

Protanomaly

20.9183, 0.2677, 0.2682

Deuteranomaly

21.0223, 0.2678, 0.2668

Tritanomaly

21.1536, 0.2732, 0.2944

Monochromacy



Original Color

21.0056, 0.2641, 0.2680

Achromatopsia

20.8637, 0.3127, 0.3290

Achromatomaly

20.8507, 0.2931, 0.3055

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.0056, 0.2641, 0.2680 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(113, 126, 161)` looks like.

```
.text, #text, p{  
    color:rgb(113, 126, 161)  
}
```

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(113, 126, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 126, 161) }
```

Border

The CSS property to change the border of an element to Yxy 21.0056, 0.2641, 0.2680 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(113, 126, 161) }
```

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

```
.border{ border-color:rgb(113, 126, 161) }
```

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

Here you see how a box with a 4 pixel rgb(113, 126, 161) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(113, 126, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(113, 126, 161);  
box-shadow:4px 4px 4px 4px rgb(113, 126,  
161) }
```


Background

The CSS property to change the background color of an element to Yxy 21.0056, 0.2641, 0.2680 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(113, 126, 161) }
```

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

```
.background{ background-color: rgb(113,  
126, 161) }
```

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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