

Converting Colors

$Y_{xy}(20.9961, 0.2692, 0.2571)$

Have a look what the booklet for
Yxy(20.9961, 0.2692, 0.2571)
contains.

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Color

Yxy(21.0935, 0.2700, 0.2584)

Conversions

Conversions Part 1

Format	Color
Hex	7B7BA5
RGB	123, 123, 165
RGB Percent	48%, 48%, 65%
CMY	0.5177, 0.5176, 0.3530
CMYK	0.25, 0.25, 0.00, 0.35
HSL	240°, 19%, 56%
HSV	240°, 25%, 65%
XYZ	22.0404, 21.0935, 38.4973
YIQ	127.7880, -13.4820, 13.0620

Conversions

Conversions Part 2

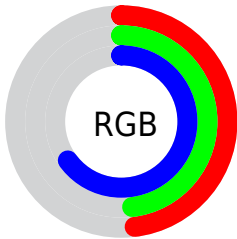
Format	Color
R_{YB}	123, 123, 165
Decimal	8092581
CIE _{Lab}	53.05, 9.55, -22.37
CIE _{LCh}	53, 24.320, 293.112
Y _{xy}	21.0935, 0.2700, 0.2584
Android (android.graphics.Color)	4286282661 (0xFF7B7BA5)
YUV	127.7880, 18.3455, -4.1991
Hunter-Lab	45.9277, 5.2877, -17.5484

Details

The Yxy color $21.0935, 0.2700, 0.2584$ is a dark color, and the websafe version is hex 666699 . A complement of this color would be $36.3246, 0.3503, 0.3910$, and the grayscale version is $21.4480, 0.3127, 0.3290$.

A 20% lighter version of the original color is $45.0574, 0.2794, 0.2728$, and $7.5063, 0.2530, 0.2322$ is the 20% darker color. If you saturate the color by 10%, you get $16.2253, 0.2500, 0.2254$, and if you desaturate by 10%, it is $26.8577, 0.2883, 0.2887$.

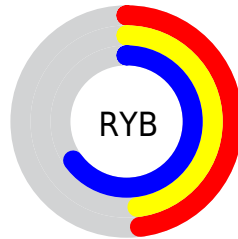
Distribution



Red (48%)

Green (48%)

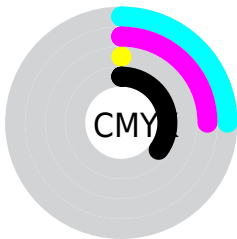
Blue (65%)



Red (48%)

Yellow (48%)

Blue (65%)

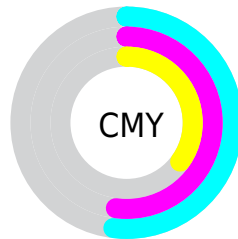


Cyan (25%)

Magenta (25%)

Yellow (0%)

Black (35%)



Cyan (52%)

Magenta (52%)

Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 21.0935, 0.2700, 0.2584 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 21.0935, 0.2700, 0.2584 by changing the saturation by 10% instead.

■ 21.0935, 0.2700,
0.2584

■ 21.0935, 0.2700,
0.2584

257.7750, 0.2941,
0.2969

■ 13.1924, 0.2629,
0.2477

■ 45.2431, 0.2795,
0.2732

■ 7.5611, 0.2531,
0.2333

■ 62.2603, 0.2829,
0.2785

■ 3.8154, 0.2388,
0.2129

■ 83.0851, 0.2856,
0.2829

■ 1.5709, 0.2162,
0.1825

108.1017, 0.2879,
0.2866

■ 0.3378, 0.1741,
0.1061

137.6946, 0.2898,
0.2897

■ 0.0000, 0.0000,
0.0000

172.2482, 0.2914,

0.2924

212.1469, 0.2929,
0.2948

■ 21.0935, 0.2700,
0.2584

■ 21.0935, 0.2700,
0.2584

■ 16.2253, 0.2500,
0.2254

■ 26.8577, 0.2883,
0.2887

■ 12.2059, 0.2290,
0.1906

■ 33.5571, 0.3047,
0.3157

■ 8.9873, 0.2080,
0.1558

■ 41.2315, 0.3190,
0.3394

■ 6.5160, 0.1884,
0.1235

■ 49.9178, 0.3314,
0.3599

■ 4.7320, 0.1718,
0.0961

■ 59.6509, 0.3422,
0.3777

■ 3.5657, 0.1597,
0.0760

■ 70.4639, 0.3514,
0.3929

■ 2.9285, 0.1525,
0.0641

■ 82.3888, 0.3593,
0.4059

■ 2.7172, 0.1500,
0.0600

■ 95.4560, 0.3661,
0.4172

■ 95.4959, 0.3661,
0.4172

Harmonies

Analogous

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



21.0935, 0.2417, 0.2620



21.0935, 0.2700, 0.2584



21.0935, 0.3115, 0.2710

Triad

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



21.0935, 0.2700, 0.2584



21.0935, 0.4012, 0.3656



21.0935, 0.2683, 0.3639

Complementary

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



21.0935, 0.2700, 0.2584



36.3246, 0.3503, 0.3910

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.



21.0935, 0.3090, 0.3982



21.0935, 0.2700, 0.2584



21.0935, 0.3868, 0.3952

Square

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



21.0935, 0.2700, 0.2584



21.0935, 0.3900, 0.3302



21.0935, 0.3525, 0.4090



21.0935, 0.2407, 0.3201

Rectangle

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



21.0935, 0.2700, 0.2584



21.0935, 0.3418, 0.2869



21.0935, 0.3525, 0.4090



21.0935, 0.2809, 0.3772

Sweetspot

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



21.0943, 0.2700, 0.2584



56.7087, 0.3004, 0.3087



33.8040, 0.2767, 0.3300



12.0095, 0.2981, 0.3049



82.7571, 0.3127, 0.3290



14.7319, 0.3127, 0.3290

Same Dimension

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



21.0943, 0.2700, 0.2584



32.2665, 0.2579, 0.2385



22.7454, 0.2914, 0.2625



6.8603, 0.2987, 0.3058



2.0563, 0.1500, 0.0600



0.0433, 0.1501, 0.0602

Inverse Universe

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



23.5917, 0.3651, 0.3291



37.5752, 0.3827, 0.3292



34.3243, 0.3300, 0.3953



7.0860, 0.3285, 0.3290



6.0517, 0.6400, 0.3299



0.1272, 0.6398, 0.3298

Previews

White Background



This preview shows how the Yxy color 21.0935, 0.2700, 0.2584 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 21.0935, 0.2700, 0.2584 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

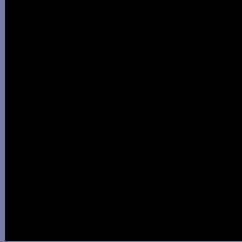
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.0935, 0.2700, 0.2584

Background



This preview shows how black text looks on a background with the Yxy color 21.0935, 0.2700, 0.2584.



This preview shows how white text looks on a background with the Yxy color 21.0935, 0.2700, 0.2584.

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

21.0935, 0.2700, 0.2584

Protanopia

21.1021, 0.2608, 0.2574

Deuteranopia

20.9835, 0.2652, 0.2592



Tritanopia

21.1249, 0.2909, 0.3107

Trichromacy



Original Color

21.0935, 0.2700, 0.2584

Protanomaly

21.0200, 0.2643, 0.2577

Deuteranomaly

21.1250, 0.2671, 0.2595

Tritanomaly

21.0529, 0.2831, 0.2900

Monochromacy



Original Color

21.0935, 0.2700, 0.2584

Achromatopsia

21.5861, 0.3127, 0.3290

Achromatomaly

21.2804, 0.2967, 0.3025

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.0935, 0.2700, 0.2584 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(123, 123, 165)` looks like.

```
.text, #text, p{  
    color:rgb(123, 123, 165)  
}
```

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(123, 123, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 123, 165) }
```

Border

The CSS property to change the border of an element to Yxy 21.0935, 0.2700, 0.2584 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(123, 123, 165) }
```

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

```
.border{ border-color:rgb(123, 123, 165) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 123, 165)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(123, 123, 165); -webkit-box-shadow:4px 4px 4px 4px rgb(123, 123, 165); box-shadow:4px 4px 4px 4px rgb(123, 123, 165) }
```


Background

The CSS property to change the background color of an element to Yxy 21.0935, 0.2700, 0.2584 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 123, 165) }
```

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

```
.background{ background-color: rgb(123,  
123, 165) }
```

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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