

Converting Colors

$Y_{xy}(22.0435, 0.2429, 0.2733)$

Have a look what the booklet for
Yxy(22.0435, 0.2429, 0.2733)
contains.

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Color

Yxy(21.9405, 0.2433, 0.2733)

Conversions

Conversions Part 1

Format	Color
Hex	5A86A5
RGB	90, 134, 165
RGB Percent	35%, 53%, 65%
CMY	0.6471, 0.4745, 0.3529
CMYK	0.45, 0.19, 0.00, 0.35
HSL	205°, 29%, 50%
HSV	205°, 45%, 65%
XYZ	19.5321, 21.9405, 38.8073
YIQ	124.3780, -36.1750, 0.3130

Conversions

Conversions Part 2

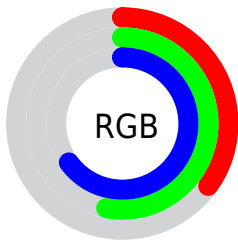
Format	Color
R_{YB}	90, 118, 165
Decimal	5932709
CIE _{Lab}	53.96, -6.51, -21.17
CIE _{LCh}	54, 22.153, 252.909
Yxy	21.9405, 0.2433, 0.2733
Android (android.graphics.Color)	4284122789 (0xFF5A86A5)
YUV	124.3780, 20.0266, -30.1495
Hunter-Lab	46.8407, -7.5385, -16.3330

Details

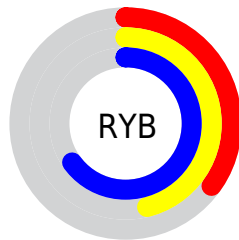
The Yxy color **21.9405, 0.2433, 0.2733** is a dark color, and the websafe version is hex **6699CC**. A complement of this color would be **22.4094, 0.4079, 0.3777**, and the grayscale version is **20.2287, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.6372, 0.2583, 0.2856**, and **8.0643, 0.2185, 0.2533** is the 20% darker color. If you saturate the color by 10%, you get **19.3792, 0.2292, 0.2584**, and if you desaturate by 10%, it is **24.8086, 0.2583, 0.2874**.

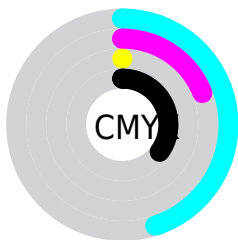
Distribution



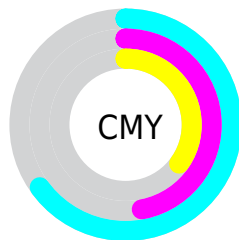
- Red (35%)
- Green (53%)
- Blue (65%)



- Red (35%)
- Yellow (46%)
- Blue (65%)



- Cyan (45%)
- Magenta (19%)
- Yellow (0%)
- Black (35%)



- Cyan (65%)
- Magenta (47%)
- Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 21.9405, 0.2433, 0.2733 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 21.9405, 0.2433, 0.2733 by changing the saturation by 10% instead.

■ 21.9405, 0.2433,
0.2733

■ 21.9405, 0.2433,
0.2733

■ 262.2354, 0.2814,
0.3046

■ 13.8132, 0.2326,
0.2642

■ 46.6476, 0.2580,
0.2856

■ 7.9908, 0.2182,
0.2518

■ 63.9963, 0.2632,
0.2899

■ 4.0891, 0.1979,
0.2337

■ 85.1874, 0.2676,
0.2934

■ 1.7235, 0.1673,
0.2055

■ 110.6055, 0.2712,
0.2964

■ 0.4388, 0.0850,
0.1446

■ 140.6350, 0.2743,
0.2989

■ 0.0000, 0.0000,
0.0000

175.6602, 0.2770,

0.3011

216.0655, 0.2793,
0.3029

■ 21.9405, 0.2433,
0.2733

■ 21.9405, 0.2433,
0.2733

■ 19.3792, 0.2292,
0.2584

■ 24.8086, 0.2583,
0.2874

■ 17.1078, 0.2163,
0.2428

■ 27.9946, 0.2737,
0.3005

■ 15.1109, 0.2051,
0.2270

■ 31.5115, 0.2892,
0.3126

■ 13.3701, 0.1959,
0.2112

■ 35.3712, 0.3045,
0.3235

■ 11.8626, 0.1887,
0.1958

■ 39.5845, 0.3194,
0.3333

■ 11.2337, 0.1858,
0.1889

■ 44.1620, 0.3337,
0.3421

■ 49.1137, 0.3474,
0.3498

■ 54.4490, 0.3603,
0.3566

■ 60.1771, 0.3725,
0.3626

Harmonies

Analogous

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



21.9405, 0.2399, 0.2980



21.9405, 0.2433, 0.2733



21.9405, 0.2639, 0.2644

Triad

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



21.9405, 0.2433, 0.2733



21.9405, 0.3737, 0.3195



21.9405, 0.3233, 0.3967

Complementary

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



21.9405, 0.2433, 0.2733



22.4094, 0.4079, 0.3777

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.



21.9405, 0.3608, 0.3989



21.9405, 0.2433, 0.2733



21.9405, 0.3914, 0.3519

Square

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



21.9405, 0.2433, 0.2733



21.9405, 0.3387, 0.2907



21.9405, 0.3863, 0.3812



21.9405, 0.2844, 0.3723

Rectangle

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



21.9405, 0.2433, 0.2733



21.9405, 0.2856, 0.2672



21.9405, 0.3863, 0.3812



21.9405, 0.3365, 0.4000

Sweetspot

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



21.9413, 0.2433, 0.2733



57.2328, 0.2911, 0.3140



30.4425, 0.2845, 0.4112



12.2155, 0.2879, 0.3116



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.



21.9413, 0.2433, 0.2733



34.4705, 0.2285, 0.2575



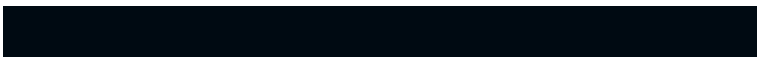
13.5286, 0.2313, 0.2042



7.5181, 0.2987, 0.3195



8.5974, 0.1862, 0.1904



0.2706, 0.2018, 0.2463

Inverse Universe

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



17.0308, 0.3606, 0.2616



25.4988, 0.3769, 0.2474



33.0242, 0.3831, 0.4288



7.1524, 0.3198, 0.3159



6.7120, 0.4563, 0.2287



0.1501, 0.3959, 0.1955

Previews

White Background



This preview shows how the Yxy color 21.9405, 0.2433, 0.2733 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 21.9405, 0.2433, 0.2733 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

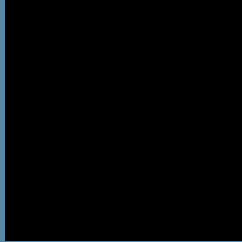
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

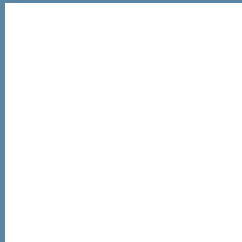
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 21.9405, 0.2433, 0.2733

Background



This preview shows how black text looks on a background with the Yxy color 21.9405, 0.2433, 0.2733.

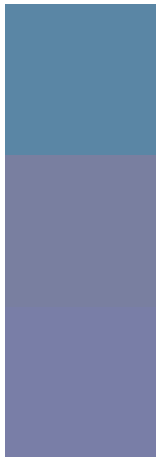


This preview shows how white text looks on a background with the Yxy color 21.9405, 0.2433, 0.2733.

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

21.9405, 0.2433, 0.2733

Protanopia

21.7818, 0.2730, 0.2726

Deuteranopia

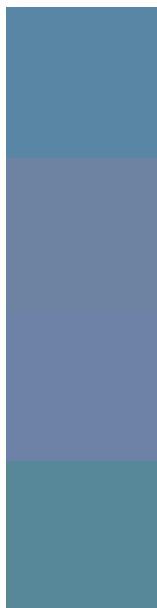
21.7767, 0.2667, 0.2602



Tritanopia

21.9607, 0.2530, 0.3080

Trichromacy



Original Color

21.9405, 0.2433, 0.2733

Protanomaly

21.8889, 0.2613, 0.2732

Deuteranomaly

21.7687, 0.2578, 0.2652

Tritanomaly

21.9676, 0.2497, 0.2954

Monochromacy



Original Color

21.9405, 0.2433, 0.2733

Achromatopsia

20.1556, 0.3127, 0.3290

Achromatomaly

20.7472, 0.2835, 0.3086

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.9405, 0.2433, 0.2733 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(90, 134, 165) looks like.

```
.text, #text, p{  
    color:rgb(90, 134, 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(90, 134, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 134, 165) }
```

Border

The CSS property to change the border of an element to Yxy 21.9405, 0.2433, 0.2733 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(90, 134, 165) }
```

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

```
.border{ border-color:rgb(90, 134, 165) }
```

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

Here you see how a box with a 4 pixel `rgb(90, 134, 165)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 134, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 134, 165);  
box-shadow:4px 4px 4px 4px rgb(90, 134,  
165) }
```


Background

The CSS property to change the background color of an element to Yxy 21.9405, 0.2433, 0.2733 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(90, 134, 165) }
```

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

```
.background{ background-color: rgb(90, 134,  
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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