

Converting Colors

$Y_{xy}(20.8700, 0.2205, 0.2655)$

Have a look what the booklet for
Yxy(20.8700, 0.2205, 0.2655)
contains.

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Color

$\text{Yxy}(20.7181, 0.2206, 0.2653)$

Conversions

Conversions Part 1

Format	Color
Hex	3886A8
RGB	56, 134, 168
RGB Percent	22%, 53%, 66%
CMY	0.7802, 0.4745, 0.3411
CMYK	0.67, 0.20, 0.00, 0.34
HSL	198°, 50%, 44%
HSV	198°, 67%, 66%
XYZ	17.2273, 20.7181, 40.1477
YIQ	114.5540, -57.4020, -5.9620

Conversions

Conversions Part 2

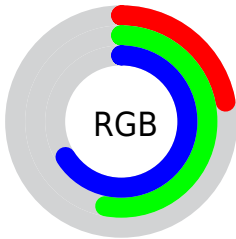
Format	Color
R _Y B	56, 102, 168
Decimal	3704488
CIE Lab	52.64, -12.90, -25.07
CIE LCh	53, 28.194, 242.778
Yxy	20.7181, 0.2206, 0.2653
Android (android.graphics.Color)	4281894568 (0xFF3886A8)
YUV	114.5540, 26.3489, -51.3519
Hunter-Lab	45.5171, -12.0963, -20.4338

Details

The Yxy color **20.7181, 0.2206, 0.2653** is a dark color, and the websafe version is hex **3399CC**. A complement of this color would be **15.9390, 0.4864, 0.3776**, and the grayscale version is **16.9389, 0.3127, 0.3290**.

A 20% lighter version of the original color is **44.5132, 0.2399, 0.2798**, and **7.6016, 0.2002, 0.2407** is the 20% darker color. If you saturate the color by 10%, you get **18.9353, 0.2112, 0.2539**, and if you desaturate by 10%, it is **22.7331, 0.2317, 0.2765**.

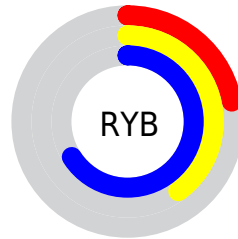
Distribution



Red (22%)

Green (53%)

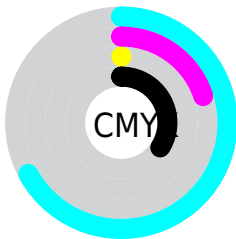
Blue (66%)



Red (22%)

Yellow (40%)

Blue (66%)

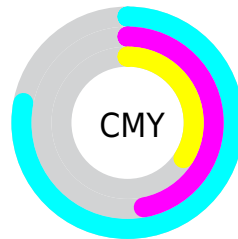


Cyan (67%)

Magenta (20%)

Yellow (0%)

Black (34%)



Cyan (78%)

Magenta (47%)

Yellow (34%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 20.7181, 0.2206, 0.2653 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 20.7181, 0.2206, 0.2653 by changing the saturation by 10% instead.

■ 20.7181, 0.2206,
0.2653

■ 20.7181, 0.2206,
0.2653

■ 255.7765, 0.2709,
0.3017

■ 12.9181, 0.2068,
0.2545

■ 44.6179, 0.2399,
0.2797

■ 7.3722, 0.1883,
0.2397

■ 61.4865, 0.2468,
0.2848

■ 3.6959, 0.1628,
0.2181

■ 82.1467, 0.2525,
0.2889

■ 1.5050, 0.1261,
0.1847

■ 106.9830, 0.2574,
0.2923

■ 0.2922, 0.0000,
0.1029

■ 136.3798, 0.2615,
0.2952

■ 0.0000, 0.0000,
0.0000

170.7213, 0.2650,

0.2977

210.3921, 0.2681,
0.2999

■ 20.7181, 0.2206,
0.2653

■ 20.7181, 0.2206,
0.2653

■ 18.9353, 0.2112,
0.2539

■ 22.7331, 0.2317,
0.2765

■ 17.3644, 0.2038,
0.2425

■ 24.9936, 0.2443,
0.2872

■ 15.9810, 0.1982,
0.2313

■ 27.5144, 0.2580,
0.2975

■ 15.5414, 0.1965,
0.2275

■ 30.3080, 0.2726,
0.3071

■ 33.3862, 0.2875,
0.3159

■ 36.7601, 0.3027,
0.3240

■ 40.4397, 0.3178,
0.3314

■ 44.4350, 0.3325,
0.3379

■ 48.7550, 0.3468,
0.3438

Harmonies

Analogous

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



20.7181, 0.2237, 0.3024



20.7181, 0.2206, 0.2653



20.7181, 0.2392, 0.2482

Triad

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



20.7181, 0.2206, 0.2653



20.7181, 0.3783, 0.3030



20.7181, 0.3425, 0.4224

Complementary

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



20.7181, 0.2206, 0.2653



15.9390, 0.4864, 0.3776

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.



20.7181, 0.3875, 0.4134



20.7181, 0.2206, 0.2653



20.7181, 0.4106, 0.3428

Square

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



20.7181, 0.2206, 0.2653



20.7181, 0.3280, 0.2704



20.7181, 0.4134, 0.3827



20.7181, 0.2916, 0.4002

Rectangle

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



20.7181, 0.2206, 0.2653



20.7181, 0.2626, 0.2478



20.7181, 0.4134, 0.3827



20.7181, 0.3588, 0.4226

Sweetspot

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



20.7188, 0.2206, 0.2653



58.4238, 0.2819, 0.3127



29.5881, 0.2843, 0.4816



12.4070, 0.2779, 0.3103



84.8088, 0.3127, 0.3290



15.4872, 0.3127, 0.3290

Same Dimension

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



20.7188, 0.2206, 0.2653



32.9291, 0.2074, 0.2484



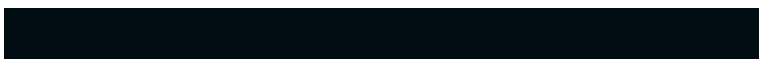
9.1824, 0.1947, 0.1560



8.1414, 0.2987, 0.3220



11.8261, 0.1968, 0.2286



0.3714, 0.2071, 0.2657

Inverse Universe

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



12.8816, 0.3730, 0.2197



19.6502, 0.3918, 0.2076



29.0568, 0.4228, 0.4535



7.6272, 0.3182, 0.3134



7.2649, 0.4141, 0.2055



0.1852, 0.3769, 0.1850

Previews

White Background



This preview shows how the Yxy color 20.7181, 0.2206, 0.2653 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 20.7181, 0.2206, 0.2653 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

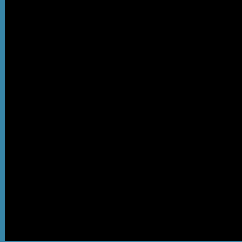
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.7181, 0.2206, 0.2653

Background



This preview shows how black text looks on a background with the Yxy color 20.7181, 0.2206, 0.2653.

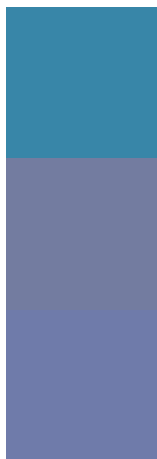


This preview shows how white text looks on a background with the Yxy color 20.7181, 0.2206, 0.2653.

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

20.7181, 0.2206, 0.2653

Protanopia

20.5982, 0.2666, 0.2662

Deuteranopia

20.4477, 0.2541, 0.2487



Tritanopia

20.6191, 0.2283, 0.3047

Trichromacy



Original Color

20.7181, 0.2206, 0.2653

Protanomaly

20.4624, 0.2460, 0.2657

Deuteranomaly

20.2675, 0.2390, 0.2541

Tritanomaly

20.6616, 0.2253, 0.2897

Monochromacy



Original Color

20.7181, 0.2206, 0.2653

Achromatopsia

17.1441, 0.3127, 0.3290

Achromatomaly

18.0200, 0.2687, 0.3049

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.7181, 0.2206, 0.2653 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(56, 134, 168)` looks like.

```
.text, #text, p{  
  color:rgb(56, 134, 168)  
}
```

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(56, 134, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(56, 134, 168) }
```

Border

The CSS property to change the border of an element to Yxy 20.7181, 0.2206, 0.2653 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(56, 134, 168) }
```

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

```
.border{ border-color:rgb(56, 134, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(56, 134, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(56, 134, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(56, 134, 168);  
box-shadow:4px 4px 4px 4px rgb(56, 134,  
168) }
```


Background

The CSS property to change the background color of an element to Yxy 20.7181, 0.2206, 0.2653 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(56, 134, 168) }
```

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

```
.background{ background-color: rgb(56, 134,  
168) }
```

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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