

Converting Colors

$Y_{xy}(20.9950, 0.2350, 0.2745)$

Have a look what the booklet for
Yxy(20.9950, 0.2350, 0.2745)
contains.

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Color

Yxy(20.9202, 0.2351, 0.2749)

Conversions

Conversions Part 1

Format	Color
Hex	4C85A2
RGB	76, 133, 162
RGB Percent	30%, 52%, 64%
CMY	0.7020, 0.4784, 0.3646
CMYK	0.53, 0.18, 0.00, 0.36
HSL	200°, 36%, 47%
HSV	200°, 53%, 64%
XYZ	17.8914, 20.9202, 37.2896
YIQ	119.2630, -43.2810, -3.0650

Conversions

Conversions Part 2

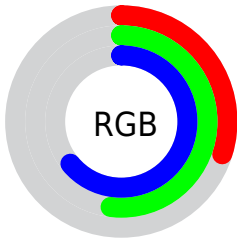
Format	Color
R_{YB}	76, 110, 162
Decimal	5014946
CIE _{Lab}	52.86, -10.27, -21.20
CIE _{LCh}	53, 23.555, 244.162
Yxy	20.9202, 0.2351, 0.2749
Android (android.graphics.Color)	4283205026 (0xFF4C85A2)
YUV	119.2630, 21.0693, -37.9417
Hunter-Lab	45.7386, -10.2195, -16.3206

Details

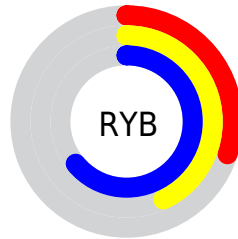
The Yxy color **20.9202, 0.2351, 0.2749** is a dark color, and the websafe version is hex **3399CC**. A complement of this color would be **18.3154, 0.4355, 0.3751**, and the grayscale version is **18.4785, 0.3127, 0.3290**.

A 20% lighter version of the original color is **44.9529, 0.2518, 0.2870**, and **7.5446, 0.2076, 0.2552** is the 20% darker color. If you saturate the color by 10%, you get **18.8805, 0.2230, 0.2626**, and if you desaturate by 10%, it is **23.2066, 0.2485, 0.2867**.

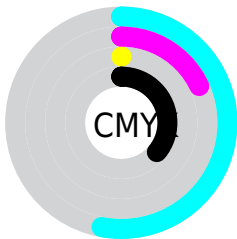
Distribution



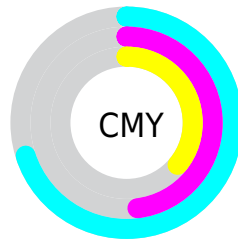
- Red (30%)
- Green (52%)
- Blue (64%)



- Red (30%)
- Yellow (43%)
- Blue (64%)



- Cyan (53%)
- Magenta (18%)
- Yellow (0%)
- Black (36%)



- Cyan (70%)
- Magenta (48%)
- Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 20.9202, 0.2351, 0.2749 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 20.9202, 0.2351, 0.2749 by changing the saturation by 10% instead.

■ 20.9202, 0.2351,
0.2749

■ 20.9202, 0.2351,
0.2749

■ 256.8541, 0.2778,
0.3058

■ 13.0657, 0.2231,
0.2657

■ 44.9547, 0.2516,
0.2872

■ 7.4738, 0.2070,
0.2530

■ 61.9034, 0.2575,
0.2914

■ 3.7601, 0.1841,
0.2342

■ 82.6524, 0.2623,
0.2949

■ 1.5403, 0.1501,
0.2044

■ 107.5860, 0.2664,
0.2979

■ 0.3168, 0.0204,
0.1279

■ 137.0885, 0.2699,
0.3003

■ 0.0000, 0.0000,
0.0000

171.5445, 0.2729,

0.3024

211.3382, 0.2755,
0.3042

■ 20.9202, 0.2351,
0.2749

■ 20.9202, 0.2351,
0.2749

■ 18.8805, 0.2230,
0.2626

■ 23.2066, 0.2485,
0.2867

■ 17.0710, 0.2125,
0.2499

■ 25.7498, 0.2629,
0.2979

■ 15.4768, 0.2038,
0.2372

■ 28.5624, 0.2778,
0.3083

■ 14.0792, 0.1972,
0.2245

■ 31.6549, 0.2929,
0.3178

■ 13.1987, 0.1933,
0.2159

■ 35.0376, 0.3081,
0.3265

■ 38.7198, 0.3230,
0.3343

■ 42.7106, 0.3374,
0.3413

■ 47.0186, 0.3513,
0.3474

■ 51.6520, 0.3646,
0.3529

Harmonies

Analogous

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



20.9202, 0.2371, 0.3058



20.9202, 0.2351, 0.2749



20.9202, 0.2519, 0.2605

Triad

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



20.9202, 0.2351, 0.2749



20.9202, 0.3690, 0.3089



20.9202, 0.3363, 0.4057

Complementary

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



20.9202, 0.2351, 0.2749



18.3154, 0.4355, 0.3751

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.



20.9202, 0.3742, 0.4006



20.9202, 0.2351, 0.2749



20.9202, 0.3947, 0.3431

Square

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



20.9202, 0.2351, 0.2749



20.9202, 0.3279, 0.2805



20.9202, 0.3963, 0.3765



20.9202, 0.2937, 0.3859

Rectangle

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



20.9202, 0.2351, 0.2749



20.9202, 0.2724, 0.2604



20.9202, 0.3963, 0.3765



20.9202, 0.3501, 0.4067

Sweetspot

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



20.9210, 0.2351, 0.2749



55.5874, 0.2881, 0.3149



28.4000, 0.2853, 0.4394



12.2371, 0.2851, 0.3130



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.



20.9210, 0.2351, 0.2749



33.5316, 0.2206, 0.2599



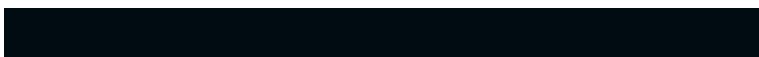
11.5160, 0.2183, 0.1906



7.6067, 0.2987, 0.3212



10.4764, 0.1936, 0.2170



0.3019, 0.2062, 0.2624

Inverse Universe

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



14.5469, 0.3613, 0.2419



21.8918, 0.3775, 0.2262



29.2885, 0.3986, 0.4364



7.1614, 0.3186, 0.3142



6.9017, 0.4265, 0.2123



0.1533, 0.3801, 0.1868

Previews

White Background



This preview shows how the Yxy color 20.9202, 0.2351, 0.2749 looks on a white background.

Color Contrast Check

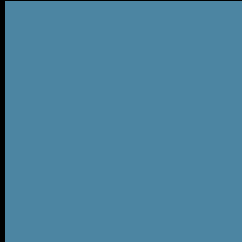
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.9202, 0.2351, 0.2749 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

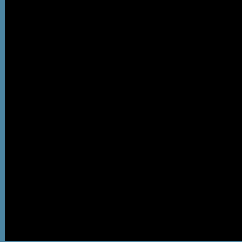
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.9202, 0.2351, 0.2749

Background



This preview shows how black text looks on a background with the Yxy color 20.9202, 0.2351, 0.2749.

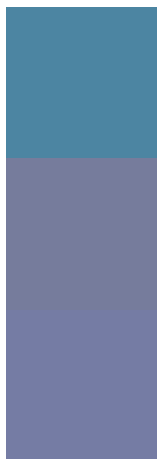


This preview shows how white text looks on a background with the Yxy color 20.9202, 0.2351, 0.2749.

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

20.9202, 0.2351, 0.2749

Protanopia

20.6672, 0.2732, 0.2730

Deuteranopia

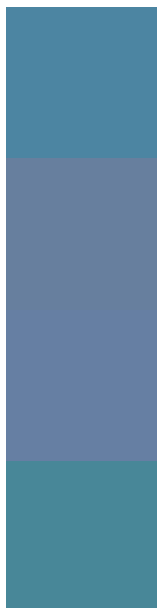
20.8775, 0.2650, 0.2605



Tritanopia

21.0170, 0.2426, 0.3073

Trichromacy



Original Color

20.9202, 0.2351, 0.2749

Protanomaly

20.5309, 0.2575, 0.2731

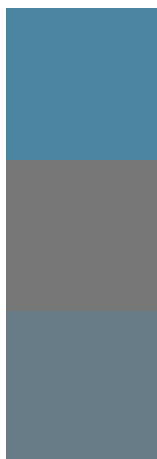
Deuteranomaly

20.6479, 0.2525, 0.2650

Tritanomaly

20.9727, 0.2401, 0.2961

Monochromacy



Original Color

20.9202, 0.2351, 0.2749

Achromatopsia

18.4475, 0.3127, 0.3290

Achromatomaly

19.0481, 0.2774, 0.3076

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.9202, 0.2351, 0.2749 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(76, 133, 162)` looks like.

```
.text, #text, p{  
    color:rgb(76, 133, 162)  
}
```

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(76, 133, 162) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(76, 133, 162) }
```

Border

The CSS property to change the border of an element to Yxy 20.9202, 0.2351, 0.2749 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(76, 133, 162) }
```

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

```
.border{ border-color:rgb(76, 133, 162) }
```

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

Here you see how a box with a 4 pixel `rgb(76, 133, 162)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(76, 133, 162); -webkit-box-  
shadow:4px 4px 4px 4px rgb(76, 133, 162);  
box-shadow:4px 4px 4px 4px rgb(76, 133,  
162) }
```


Background

The CSS property to change the background color of an element to Yxy 20.9202, 0.2351, 0.2749 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(76, 133, 162) }
```

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

```
.background{ background-color: rgb(76, 133,  
162) }
```

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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