

Converting Colors

$Y_{xy}(21.0556, 0.2282, 0.2954)$

Have a look what the booklet for
Yxy(21.0556, 0.2282, 0.2954)
contains.

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Color

$Yxy(20.9545, 0.2284, 0.2955)$

Conversions

Conversions Part 1

Format	Color
Hex	34899A
RGB	52, 137, 154
RGB Percent	20%, 54%, 60%
CMY	0.7959, 0.4628, 0.3961
CMYK	0.66, 0.11, 0.00, 0.40
HSL	190°, 49%, 40%
HSV	190°, 66%, 60%
XYZ	16.1963, 20.9545, 33.7612
YIQ	113.5230, -56.1170, -12.7330

Conversions

Conversions Part 2

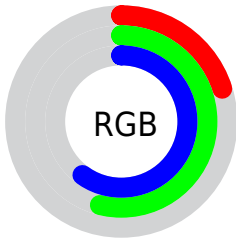
Format	Color
RYB	52, 98, 154
Decimal	3443098
CIELab	52.90, -19.78, -16.58
CIElCh	53, 25.807, 219.963
Yxy	20.9545, 0.2284, 0.2955
Android (android.graphics.Color)	4281633178 (0xFF34899A)
YUV	113.5230, 19.9552, -53.9557
Hunter-Lab	45.7761, -16.9520, -11.6849

Details

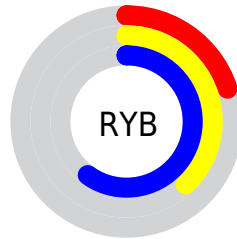
The Yxy color **20.9545, 0.2284, 0.2955** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **11.3814, 0.5014, 0.3549**, and the grayscale version is **16.6338, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.1952, 0.2467, 0.3049**, and **7.7957, 0.2116, 0.2816** is the 20% darker color. If you saturate the color by 10%, you get **19.8892, 0.2209, 0.2896**, and if you desaturate by 10%, it is **22.1720, 0.2377, 0.3013**.

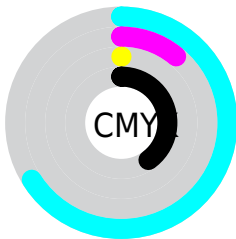
Distribution



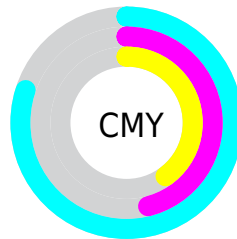
- Red (20%)
- Green (54%)
- Blue (60%)



- Red (20%)
- Yellow (38%)
- Blue (60%)



- Cyan (66%)
- Magenta (11%)
- Yellow (0%)
- Black (40%)



- Cyan (80%)
- Magenta (46%)
- Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 20.9545, 0.2284, 0.2955 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 20.9545, 0.2284, 0.2955 by changing the saturation by 10% instead.

■ 20.9545, 0.2284,
0.2955

■ 20.9545, 0.2284,
0.2955

■ 257.0366, 0.2747,
0.3155

■ 13.0907, 0.2154,
0.2891

■ 45.0118, 0.2462,
0.3037

■ 7.4911, 0.1979,
0.2799

■ 61.9741, 0.2526,
0.3065

■ 3.7711, 0.1733,
0.2657

■ 82.7381, 0.2579,
0.3088

■ 1.5463, 0.1366,
0.2414

■ 107.6881, 0.2623,
0.3106

■ 0.3210, 0.0000,
0.1656

■ 137.2086, 0.2661,
0.3121

■ 0.0000, 0.0000,
0.0000

171.6839, 0.2694,

0.3135

211.4984, 0.2722,
0.3146

■ 20.9545, 0.2284,
0.2955

■ 20.9545, 0.2284,
0.2955

■ 19.8892, 0.2209,
0.2896

■ 22.1720, 0.2377,
0.3013

■ 18.9603, 0.2152,
0.2838

■ 23.5514, 0.2486,
0.3069

■ 18.1488, 0.2113,
0.2780

■ 25.1038, 0.2609,
0.3123

■ 17.8541, 0.2099,
0.2757

■ 26.8389, 0.2744,
0.3174

■ 28.7655, 0.2886,
0.3221

■ 30.8919, 0.3034,
0.3265

■ 33.2257, 0.3185,
0.3305

■ 35.7743, 0.3335,
0.3341

■ 38.5445, 0.3485,
0.3373

Harmonies

Analogous

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



20.9545, 0.2469, 0.3398



20.9545, 0.2284, 0.2955



20.9545, 0.2303, 0.2653

Triad

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



20.9545, 0.2284, 0.2955



20.9545, 0.3385, 0.2814



20.9545, 0.3727, 0.4103

Complementary

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



20.9545, 0.2284, 0.2955



11.3814, 0.5014, 0.3549

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.



20.9545, 0.4012, 0.3866



20.9545, 0.2284, 0.2955



20.9545, 0.3816, 0.3138

Square

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



20.9545, 0.2284, 0.2955



20.9545, 0.2908, 0.2599



20.9545, 0.4051, 0.3512



20.9545, 0.3292, 0.4114

Rectangle

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



20.9545, 0.2284, 0.2955



20.9545, 0.2428, 0.2555



20.9545, 0.4051, 0.3512



20.9545, 0.3844, 0.4044

Sweetspot

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



20.9553, 0.2284, 0.2955



50.7419, 0.2825, 0.3202



24.2721, 0.2933, 0.5067



11.2788, 0.2788, 0.3189



78.7412, 0.3127, 0.3290



13.2868, 0.3127, 0.3290

Same Dimension

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



20.9553, 0.2284, 0.2955



35.3623, 0.2182, 0.2871



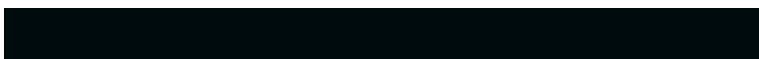
9.7261, 0.2027, 0.1863



6.8512, 0.2989, 0.3252



14.5913, 0.2101, 0.2762



0.2592, 0.2172, 0.3020

Inverse Universe

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



11.1369, 0.3466, 0.2024



17.2492, 0.3557, 0.1872



20.5553, 0.4364, 0.4341



6.3059, 0.3161, 0.3107



6.8783, 0.3670, 0.1795



0.1070, 0.3436, 0.1667

Previews

White Background



This preview shows how the Yxy color 20.9545, 0.2284, 0.2955 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 20.9545, 0.2284, 0.2955 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

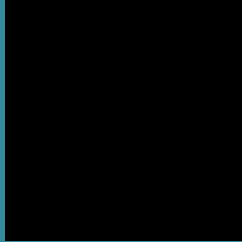
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.9545, 0.2284, 0.2955

Background



This preview shows how black text looks on a background with the Yxy color 20.9545, 0.2284, 0.2955.

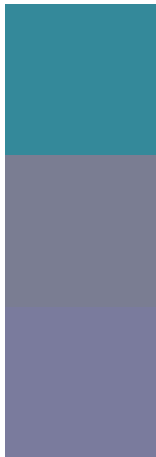


This preview shows how white text looks on a background with the Yxy color 20.9545, 0.2284, 0.2955.

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

20.9545, 0.2284, 0.2955

Protanopia

20.8801, 0.2871, 0.2917

Deuteranopia

20.7378, 0.2763, 0.2703



Tritanopia

20.9999, 0.2306, 0.3069

Trichromacy



Original Color

20.9545, 0.2284, 0.2955

Protanomaly

20.4118, 0.2600, 0.2915

Deuteranomaly

20.3800, 0.2540, 0.2775

Tritanomaly

21.0894, 0.2298, 0.3031

Monochromacy



Original Color

20.9545, 0.2284, 0.2955

Achromatopsia

16.8269, 0.3127, 0.3290

Achromatomaly

17.7282, 0.2704, 0.3146

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.9545, 0.2284, 0.2955 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(52, 137, 154)` looks like.

```
.text, #text, p{  
    color:rgb(52, 137, 154)  
}
```

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(52, 137, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(52, 137, 154) }
```

Border

The CSS property to change the border of an element to Yxy 20.9545, 0.2284, 0.2955 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(52, 137, 154) }
```

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

```
.border{ border-color:rgb(52, 137, 154) }
```

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

Here you see how a box with a 4 pixel rgb(52, 137, 154) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(52, 137, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(52, 137, 154);  
box-shadow:4px 4px 4px 4px rgb(52, 137,  
154) }
```


Background

The CSS property to change the background color of an element to Yxy 20.9545, 0.2284, 0.2955 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(52, 137, 154) }
```

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

```
.background{ background-color: rgb(52, 137,  
154) }
```

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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