

Converting Colors

$Y_{xy}(22.6501, 0.2776, 0.2956)$

Have a look what the booklet for
Yxy(22.6501, 0.2776, 0.2956)
contains.

Yxy(22.5188, 0.2779, 0.2955)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(22.5188, 0.2779, 0.2955)

Conversions

Conversions Part 1

Format	Color
Hex	758497
RGB	117, 132, 151
RGB Percent	46%, 52%, 59%
CMY	0.5410, 0.4824, 0.4078
CMYK	0.22, 0.13, 0.00, 0.41
HSL	214°, 14%, 53%
HSV	214°, 22%, 59%
XYZ	21.1776, 22.5188, 32.5094
YIQ	129.6810, -15.0390, 2.7290

Conversions

Conversions Part 2

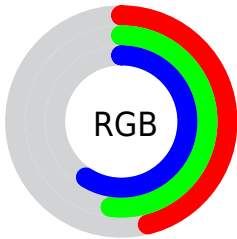
Format	Color
R_{YB}	117, 127, 151
Decimal	7701655
CIE Lab	54.57, -1.07, -12.00
CIE LCh	55, 12.044, 264.885
Yxy	22.5188, 0.2779, 0.2955
Android (android.graphics.Color)	4285891735 (0xFF758497)
YUV	129.6810, 10.5103, -11.1212
Hunter-Lab	47.4540, -3.3842, -7.4001

Details

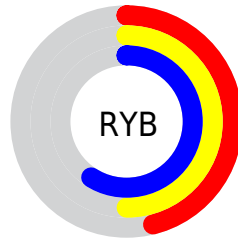
The Yxy color $22.5188, 0.2779, 0.2955$ is a dark color, and the websafe version is hex 999999 . A complement of this color would be $25.4886, 0.3504, 0.3603$, and the grayscale version is $22.1738, 0.3127, 0.3290$.

A 20% lighter version of the original color is $47.6517, 0.2859, 0.3032$, and $8.3356, 0.2648, 0.2838$ is the 20% darker color. If you saturate the color by 10%, you get $19.3558, 0.2615, 0.2780$, and if you desaturate by 10%, it is $26.0381, 0.2938, 0.3114$.

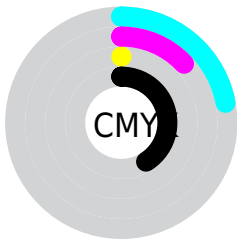
Distribution



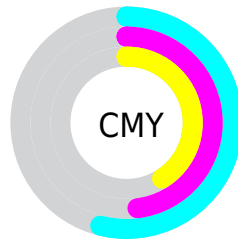
- Red (46%)
- Green (52%)
- Blue (59%)



- Red (46%)
- Yellow (50%)
- Blue (59%)



- Cyan (22%)
- Magenta (13%)
- Yellow (0%)
- Black (41%)



- Cyan (54%)
- Magenta (48%)
- Yellow (41%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 22.5188, 0.2779, 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 22.5188, 0.2779, 0.2955 by changing the saturation by 10% instead.

■ 22.5188, 0.2779,
0.2955

■ 22.5188, 0.2779,
0.2955

265.2437, 0.2973,
0.3142

■ 14.2386, 0.2723,
0.2901

■ 47.6020, 0.2855,
0.3028

■ 8.2868, 0.2646,
0.2825

■ 65.1737, 0.2881,
0.3054

■ 4.2790, 0.2533,
0.2715

■ 86.6115, 0.2903,
0.3075

■ 1.8308, 0.2353,
0.2537

112.2996, 0.2922,
0.3093

■ 0.5063, 0.1883,
0.2095

142.6225, 0.2937,
0.3108

■ 0.0000, 0.0000,
0.0000

177.9646, 0.2951,

0.3121

218.7102, 0.2962,
0.3132

■ 22.5188, 0.2779,
0.2955

■ 22.5188, 0.2779,
0.2955

■ 19.3558, 0.2615,
0.2780

■ 26.0381, 0.2938,
0.3114

■ 16.5341, 0.2451,
0.2591

■ 29.9229, 0.3090,
0.3257

■ 14.0411, 0.2290,
0.2389

■ 34.1851, 0.3235,
0.3384

■ 11.8627, 0.2137,
0.2178

■ 38.8355, 0.3369,
0.3497

■ 9.9832, 0.1999,
0.1965

■ 43.8843, 0.3495,
0.3596

■ 8.3853, 0.1880,
0.1754

■ 49.3412, 0.3611,
0.3683

■ 7.0493, 0.1786,
0.1554

■ 55.2157, 0.3718,
0.3759

■ 6.1860, 0.1726,
0.1412

■ 61.5169, 0.3816,
0.3826

■ 68.2537, 0.3906,
0.3884

Harmonies

Analogous

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



22.5188, 0.2719, 0.3065



22.5188, 0.2779, 0.2955



22.5188, 0.2931, 0.2934

Triad

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



22.5188, 0.2779, 0.2955



22.5188, 0.3505, 0.3317



22.5188, 0.3104, 0.3604

Complementary

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



22.5188, 0.2779, 0.2955



25.4886, 0.3504, 0.3603

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.



22.5188, 0.3317, 0.3670



22.5188, 0.2779, 0.2955



22.5188, 0.3553, 0.3494

Square

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



22.5188, 0.2779, 0.2955



22.5188, 0.3351, 0.3139



22.5188, 0.3483, 0.3626



22.5188, 0.2902, 0.3445

Rectangle

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



22.5188, 0.2779, 0.2955



22.5188, 0.3066, 0.2970



22.5188, 0.3483, 0.3626



22.5188, 0.3176, 0.3638

Sweetspot

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



22.5197, 0.2779, 0.2955



50.2677, 0.3021, 0.3192



27.6887, 0.2933, 0.3557



11.3425, 0.3013, 0.3185



76.7769, 0.3127, 0.3290



12.5967, 0.3127, 0.3290

Same Dimension

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



22.5197, 0.2779, 0.2955



37.3885, 0.2697, 0.2869



18.8708, 0.2778, 0.2685



6.4514, 0.2989, 0.3162



5.3175, 0.1729, 0.1423



0.1503, 0.1950, 0.2221

Inverse Universe

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



20.9780, 0.3380, 0.3044



34.3065, 0.3453, 0.2985



29.8378, 0.3438, 0.3837



6.2656, 0.3218, 0.3192



5.9421, 0.5160, 0.2616



0.0960, 0.4210, 0.2093

Previews

White Background



This preview shows how the Yxy color 22.5188, 0.2779, 0.2955 looks on a white background.

Color Contrast Check

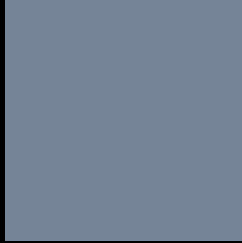
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.5188, 0.2779, 0.2955 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

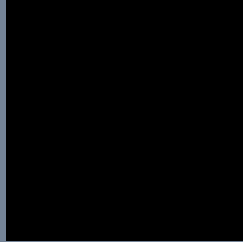
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

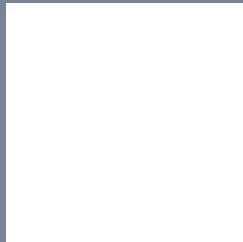
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 22.5188, 0.2779, 0.2955

Background



This preview shows how black text looks on a background with the Yxy color 22.5188, 0.2779, 0.2955.



This preview shows how white text looks on a background with the Yxy color 22.5188, 0.2779, 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

22.5188, 0.2779, 0.2955

Protanopia

22.3825, 0.2898, 0.2945

Deuteranopia

22.4323, 0.2933, 0.2869



Tritanopia

22.5017, 0.2834, 0.3092

Trichromacy



Original Color

22.5188, 0.2779, 0.2955

Protanomaly

22.3782, 0.2847, 0.2942

Deuteranomaly

22.4795, 0.2869, 0.2896

Tritanomaly

22.5946, 0.2806, 0.3040

Monochromacy



Original Color

22.5188, 0.2779, 0.2955

Achromatopsia

22.3228, 0.3127, 0.3290

Achromatomaly

22.4276, 0.2987, 0.3166

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.5188, 0.2779, 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(117, 132, 151)` looks like.

```
.text, #text, p{  
    color:rgb(117, 132, 151)  
}
```

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(117, 132, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 132, 151) }
```

Border

The CSS property to change the border of an element to Yxy 22.5188, 0.2779, 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(117, 132, 151) }
```

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

```
.border{ border-color:rgb(117, 132, 151) }
```

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

Here you see how a box with a 4 pixel `rgb(117, 132, 151)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 132, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 132, 151);  
box-shadow:4px 4px 4px 4px rgb(117, 132,  
151) }
```


Background

The CSS property to change the background color of an element to Yxy 22.5188, 0.2779, 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(117, 132, 151) }
```

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

```
.background{ background-color: rgb(117,  
132, 151) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor