

Converting Colors

$Y_{xy}(22.2602, 0.2951, 0.3229)$

Have a look what the booklet for
Yxy(22.2602, 0.2951, 0.3229)
contains.

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Color

Yxy(22.2020, 0.2942, 0.3217)

Conversions

Conversions Part 1	
Format	Color
Hex	778488
RGB	119, 132, 136
RGB Percent	47%, 52%, 53%
CMY	0.5333, 0.4824, 0.4667
CMYK	0.12, 0.03, 0.00, 0.47
HSL	194°, 7%, 50%
HSV	194°, 12%, 53%
XYZ	20.3041, 22.2020, 26.5085
YIQ	128.5690, -9.0320, -1.5120

Conversions

Conversions Part 2

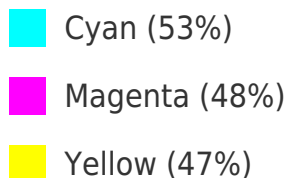
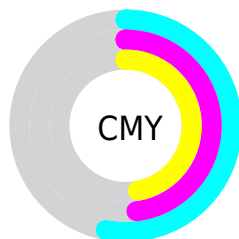
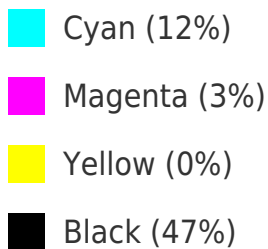
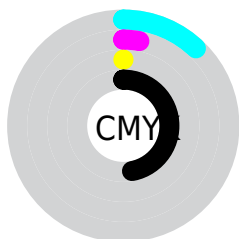
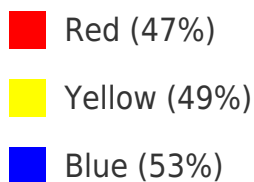
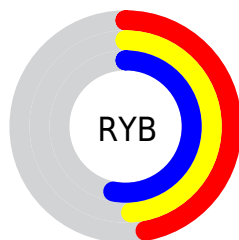
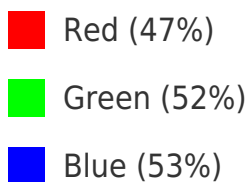
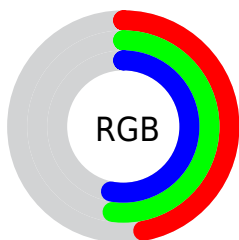
Format	Color
RYB	119, 126, 136
Decimal	7832712
CIELab	54.24, -3.87, -3.78
CIELCh	54, 5.407, 224.342
Yxy	22.2020, 0.2942, 0.3217
Android (android.graphics.Color)	4286022792 (0xFF778488)
YUV	128.5690, 3.6635, -8.3920
Hunter-Lab	47.1190, -5.5406, -0.3725

Details

The Yxy color $22.2020, 0.2942, 0.3217$ is a dark color, and the websafe version is hex 999999 . A complement of this color would be $20.7362, 0.3335, 0.3362$, and the grayscale version is $21.7849, 0.3127, 0.3290$.

A 20% lighter version of the original color is $47.0300, 0.2982, 0.3237$, and $8.1605, 0.2867, 0.3206$ is the 20% darker color. If you saturate the color by 10%, you get $20.4527, 0.2796, 0.3152$, and if you desaturate by 10%, it is $24.1176, 0.3090, 0.3276$.


Distribution




Brightness & Saturation Gradients

These gradients show how the Yxy color 22.2020, 0.2942, 0.3217 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 22.2020, 0.2942, 0.3217 by changing the saturation by 10% instead.


 22.2020, 0.2942,
0.3217


 22.2020, 0.2942,
0.3217

263.5994, 0.3046,
0.3259


 14.0054, 0.2912,
0.3204


 47.0796, 0.2983,
0.3234

 8.1244, 0.2869,
0.3187


 64.5295, 0.2997,
0.3239

 4.1747, 0.2807,
0.3160


 85.8325, 0.3009,
0.3244

 1.7717, 0.2704,
0.3114

111.3731, 0.3019,
0.3248

 0.4695, 0.2203,
0.2940

141.5357, 0.3027,
0.3251

 0.0000, 0.0000,
0.0000

176.7047, 0.3034,

0.3254

217.2644, 0.3040,
0.3257

■ 22.2020, 0.2942,
0.3217

■ 22.2020, 0.2942,
0.3217

■ 20.4527, 0.2796,
0.3152

■ 24.1176, 0.3090,
0.3276

■ 18.8608, 0.2655,
0.3083

■ 26.2024, 0.3238,
0.3330

■ 17.4208, 0.2523,
0.3008

■ 28.4627, 0.3384,
0.3378

■ 16.1257, 0.2401,
0.2929

■ 30.9037, 0.3527,
0.3420

■ 14.9678, 0.2293,
0.2847

■ 33.5302, 0.3665,
0.3458

■ 13.9389, 0.2201,
0.2763

■ 36.3471, 0.3797,
0.3491

■ 13.0292, 0.2127,
0.2679

■ 39.3588, 0.3923,
0.3520

■ 12.2275, 0.2072,
0.2594

■ 42.5697, 0.4043,
0.3546

■ 11.6707, 0.2036,
0.2531

■ 45.9840, 0.4156,
0.3567

Harmonies

Analogous

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



22.2020, 0.2979, 0.3303



22.2020, 0.2942, 0.3217



22.2020, 0.2953, 0.3152

Triad

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



22.2020, 0.2942, 0.3217



22.2020, 0.3197, 0.3196



22.2020, 0.3244, 0.3458

Complementary

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



22.2020, 0.2942, 0.3217



20.7362, 0.3335, 0.3362

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.



22.2020, 0.3304, 0.3426



22.2020, 0.2942, 0.3217



22.2020, 0.3277, 0.3275

Square

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



22.2020, 0.2942, 0.3217



22.2020, 0.3099, 0.3142



22.2020, 0.3316, 0.3359



22.2020, 0.3153, 0.3445

Rectangle

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



22.2020, 0.2942, 0.3217



22.2020, 0.2987, 0.3130



22.2020, 0.3316, 0.3359



22.2020, 0.3268, 0.3453

Sweetspot

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



22.2029, 0.2942, 0.3217



41.9429, 0.3066, 0.3267



22.9613, 0.3072, 0.3529



9.6590, 0.3056, 0.3263



69.2071, 0.3127, 0.3290



10.0482, 0.3127, 0.3290

Same Dimension

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



22.2029, 0.2942, 0.3217



38.2239, 0.2900, 0.3199



20.0014, 0.2939, 0.3061



5.4923, 0.2991, 0.3237



11.0601, 0.2037, 0.2533



0.0958, 0.2147, 0.2927

Inverse Universe

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



20.0969, 0.3188, 0.3063



33.7882, 0.3203, 0.3010



22.9263, 0.3316, 0.3509



5.1092, 0.3170, 0.3124



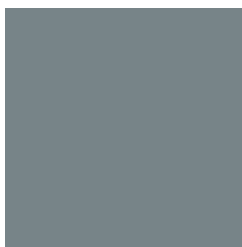
5.9007, 0.3890, 0.1916



0.0415, 0.3519, 0.1712

Previews

White Background



This preview shows how the Yxy color 22.2020, 0.2942, 0.3217 looks on a white background.

Color Contrast Check

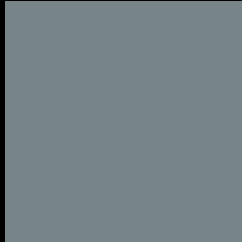
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.2020, 0.2942, 0.3217 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

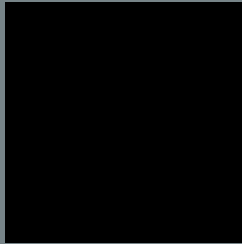
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

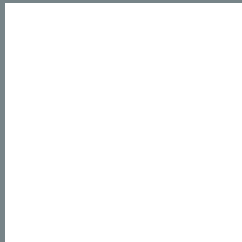
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 22.2020, 0.2942, 0.3217

Background



This preview shows how black text looks on a background with the Yxy color 22.2020, 0.2942, 0.3217.



This preview shows how white text looks on a background with the Yxy color 22.2020, 0.2942, 0.3217.

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

22.2020, 0.2942, 0.3217

Protanopia

22.1676, 0.3085, 0.3202

Deuteranopia

22.2168, 0.3160, 0.3103



Tritanopia

22.1787, 0.2893, 0.3093

Trichromacy



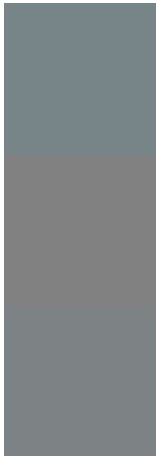
Original Color
22.2020, 0.2942, 0.3217

Protanomaly
22.1502, 0.3029, 0.3201

Deuteranomaly
22.1500, 0.3077, 0.3133

Tritanomaly
22.1191, 0.2913, 0.3128

Monochromacy



Original Color
22.2020, 0.2942, 0.3217

Achromatopsia
21.9526, 0.3127, 0.3290

Achromatomaly
21.9912, 0.3049, 0.3254

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.2020, 0.2942, 0.3217 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(119, 132, 136) looks like.

```
.text, #text, p{  
    color:rgb(119, 132, 136)  
}
```

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(119, 132, 136) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 132, 136) }
```

Border

The CSS property to change the border of an element to Yxy 22.2020, 0.2942, 0.3217 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(119, 132, 136) }
```

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

```
.border{ border-color:rgb(119, 132, 136) }
```

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

Here you see how a box with a 4 pixel `rgb(119, 132, 136)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 132, 136); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 132, 136);  
box-shadow:4px 4px 4px 4px rgb(119, 132,  
136) }
```


Background

The CSS property to change the background color of an element to Yxy 22.2020, 0.2942, 0.3217 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 132, 136) }
```

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

```
.background{ background-color: rgb(119,  
132, 136) }
```

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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