

Converting Colors

$Y_{xy}(22.8366, 0.2628, 0.3390)$

Have a look what the booklet for
Yxy(22.8366, 0.2628, 0.3390)
contains.

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Color

$\text{Yxy}(22.7121, 0.2627, 0.3386)$

Conversions

Conversions Part 1

Format	Color
Hex	548D88
RGB	84, 141, 136
RGB Percent	33%, 55%, 53%
CMY	0.6708, 0.4470, 0.4667
CMYK	0.40, 0.00, 0.04, 0.45
HSL	175°, 25%, 44%
HSV	175°, 40%, 55%
XYZ	17.6210, 22.7121, 26.7434
YIQ	123.3870, -32.3670, -13.6390

Conversions

Conversions Part 2

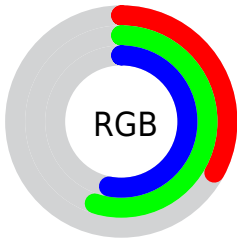
Format	Color
R_{YB}	84, 114, 141
Decimal	5541256
CIE _{Lab}	54.77, -19.96, -3.23
CIE _{LCh}	55, 20.219, 189.181
Yxy	22.7121, 0.2627, 0.3386
Android (android.graphics.Color)	4283731336 (0xFF548D88)
YUV	123.3870, 6.2182, -34.5424
Hunter-Lab	47.6572, -17.4007, 0.0888

Details

The Yxy color **22.7121, 0.2627, 0.3386** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **12.7179, 0.4016, 0.3201**, and the grayscale version is **19.9256, 0.3127, 0.3290**.

A 20% lighter version of the original color is **48.0227, 0.2740, 0.3372**, and **8.4611, 0.2446, 0.3440** is the 20% darker color. If you saturate the color by 10%, you get **22.0919, 0.2534, 0.3414**, and if you desaturate by 10%, it is **23.4655, 0.2735, 0.3360**.

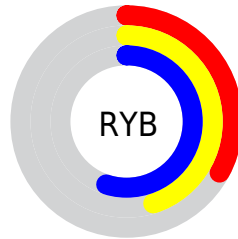
Distribution



Red (33%)

Green (55%)

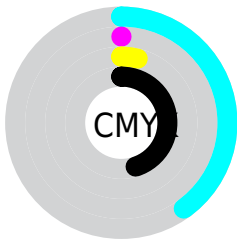
Blue (53%)



Red (33%)

Yellow (45%)

Blue (55%)

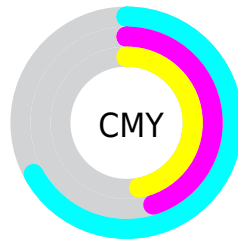


Cyan (40%)

Magenta (0%)

Yellow (4%)

Black (45%)



Cyan (67%)

Magenta (45%)

Yellow (47%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 22.7121, 0.2627, 0.3386 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 22.7121, 0.2627, 0.3386 by changing the saturation by 10% instead.

■ 22.7121, 0.2627,
0.3386

■ 22.7121, 0.2627,
0.3386

■ 266.2428, 0.2904,
0.3336

■ 14.3811, 0.2547,
0.3399

■ 47.9202, 0.2735,
0.3367

■ 8.3862, 0.2437,
0.3416

■ 65.5660, 0.2773,
0.3360

■ 4.3430, 0.2277,
0.3439

■ 87.0855, 0.2805,
0.3354

■ 1.8672, 0.2022,
0.3469

■ 112.8632, 0.2831,
0.3350

■ 0.5286, 0.0112,
0.3931

■ 143.2833, 0.2854,
0.3345

■ 0.0000, 0.0000,
0.0000

178.7304, 0.2873,

0.3342

219.5888, 0.2890,
0.3338

■ 22.7121, 0.2627,
0.3386

■ 22.7121, 0.2627,
0.3386

■ 22.0919, 0.2534,
0.3414

■ 23.4655, 0.2735,
0.3360

■ 21.5942, 0.2457,
0.3442

■ 24.3567, 0.2855,
0.3335

■ 21.2112, 0.2397,
0.3471


■ 25.3932, 0.2984,
0.3312


■ 20.9330, 0.2356,
0.3500


■ 26.5813, 0.3121,
0.3291

■ 20.7480, 0.2333,
0.3529


■ 27.9270, 0.3261,
0.3272

 20.6275, 0.2321,
0.3557

 29.4359, 0.3404,
0.3255

 31.1132, 0.3546,
0.3240

 32.9640, 0.3687,
0.3226

 34.9933, 0.3824,
0.3215

Harmonies

Analogous

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



22.7121, 0.2914, 0.3715



22.7121, 0.2627, 0.3386



22.7121, 0.2474, 0.3050

Triad

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



22.7121, 0.2627, 0.3386



22.7121, 0.2954, 0.2748



22.7121, 0.3808, 0.3736

Complementary

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



22.7121, 0.2627, 0.3386



12.7179, 0.4016, 0.3201

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.



22.7121, 0.3827, 0.3465



22.7121, 0.2627, 0.3386



22.7121, 0.3318, 0.2915

Square

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



22.7121, 0.2627, 0.3386



22.7121, 0.2654, 0.2705



22.7121, 0.3644, 0.3170



22.7121, 0.3599, 0.3910

Rectangle

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



22.7121, 0.2627, 0.3386



22.7121, 0.2462, 0.2874



22.7121, 0.3644, 0.3170



22.7121, 0.3838, 0.3653

Sweetspot

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



22.7130, 0.2627, 0.3386



45.1146, 0.2961, 0.3316



21.8490, 0.3128, 0.4464



10.0293, 0.2946, 0.3318



71.0566, 0.3127, 0.3290



10.6539, 0.3127, 0.3290

Same Dimension

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



22.7130, 0.2627, 0.3386



39.5975, 0.2537, 0.3412



16.8072, 0.2518, 0.2828



6.1083, 0.3001, 0.3309



18.8063, 0.2321, 0.3556



0.1814, 0.2281, 0.3412

Inverse Universe

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



12.7179, 0.4016, 0.3201



19.0323, 0.4350, 0.3182



16.7718, 0.3936, 0.3705



5.4313, 0.3268, 0.3271



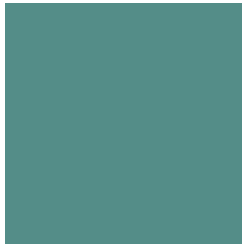
5.1896, 0.6267, 0.3226



0.0508, 0.5709, 0.2919

Previews

White Background



This preview shows how the Yxy color 22.7121, 0.2627, 0.3386 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 22.7121, 0.2627, 0.3386 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 22.7121, 0.2627, 0.3386

Background



This preview shows how black text looks on a background with the Yxy color 22.7121, 0.2627, 0.3386.



This preview shows how white text looks on a background with the Yxy color 22.7121, 0.2627, 0.3386.

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

22.7121, 0.2627, 0.3386

Protanopia

22.5368, 0.3173, 0.3308

Deuteranopia

22.5318, 0.3137, 0.3087



Tritanopia

22.7420, 0.2544, 0.3083

Trichromacy



Original Color

22.7121, 0.2627, 0.3386

Protanomaly

22.3610, 0.2939, 0.3326

Deuteranomaly

22.2594, 0.2922, 0.3181

Tritanomaly

22.8267, 0.2577, 0.3194

Monochromacy



Original Color

22.7121, 0.2627, 0.3386

Achromatopsia

19.8069, 0.3127, 0.3290

Achromatomaly

20.7750, 0.2913, 0.3328

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.7121, 0.2627, 0.3386 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(84, 141, 136)` looks like.

```
.text, #text, p{  
    color:rgb(84, 141, 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(84, 141, 136) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(84, 141, 136) }
```

Border

The CSS property to change the border of an element to Yxy 22.7121, 0.2627, 0.3386 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(84, 141, 136) }
```

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

```
.border{ border-color:rgb(84, 141, 136) }
```

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

Here you see how a box with a 4 pixel `rgb(84, 141, 136)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(84, 141, 136); -webkit-box-  
shadow:4px 4px 4px 4px rgb(84, 141, 136);  
box-shadow:4px 4px 4px 4px rgb(84, 141,  
136) }
```


Background

The CSS property to change the background color of an element to Yxy 22.7121, 0.2627, 0.3386 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(84, 141, 136) }
```

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

```
.background{ background-color: rgb(84, 141,  
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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