

Converting Colors

$Y_{xy}(22.6100, 0.2635, 0.3425)$

Have a look what the booklet for
Yxy(22.6100, 0.2635, 0.3425)
contains.

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Color

$Y_{xy}(22.6100, 0.2635, 0.3425)$

Conversions

Conversions Part 1

Format	Color
Hex	538D86
RGB	83, 141, 134
RGB Percent	33%, 55%, 53%
CMY	0.6746, 0.4470, 0.4744
CMYK	0.41, 0.00, 0.05, 0.45
HSL	173°, 26%, 44%
HSV	173°, 41%, 55%
XYZ	17.3948, 22.6100, 26.0098
YIQ	122.8600, -32.3210, -14.4730

Conversions

Conversions Part 2

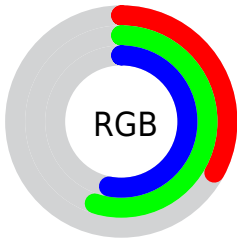
Format	Color
R_{YB}	83, 114, 141
Decimal	5475718
CIE _{Lab}	54.67, -20.73, -2.25
CIE _{LCh}	55, 20.850, 186.204
Yxy	22.6100, 0.2635, 0.3425
Android (android.graphics.Color)	4283665798 (0xFF538D86)
YUV	122.8600, 5.4920, -34.9572
Hunter-Lab	47.5500, -17.9132, 0.8535

Details

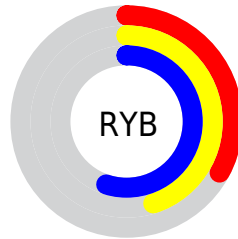
The Yxy color **22.6100, 0.2635, 0.3425** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **12.5836, 0.4004, 0.3165**, and the grayscale version is **19.7474, 0.3127, 0.3290**.

A 20% lighter version of the original color is **47.8523, 0.2746, 0.3401**, and **8.4294, 0.2449, 0.3471** is the 20% darker color. If you saturate the color by 10%, you get **21.9867, 0.2545, 0.3463**, and if you desaturate by 10%, it is **23.3663, 0.2739, 0.3389**.

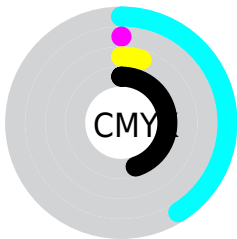
Distribution



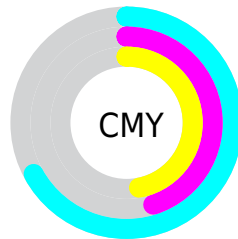
- Red (33%)
- Green (55%)
- Blue (53%)



- Red (33%)
- Yellow (45%)
- Blue (55%)



- Cyan (41%)
- Magenta (0%)
- Yellow (5%)
- Black (45%)



- Cyan (67%)
- Magenta (45%)
- Yellow (47%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 22.6100, 0.2635, 0.3425 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 22.6100, 0.2635, 0.3425 by changing the saturation by 10% instead.

■ 22.6100, 0.2635,
0.3425

■ 22.6100, 0.2635,
0.3425

265.7155, 0.2908,
0.3352

■ 14.3058, 0.2556,
0.3445

■ 47.7521, 0.2742,
0.3397

■ 8.3337, 0.2447,
0.3472

■ 65.3589, 0.2780,
0.3387

■ 4.3092, 0.2287,
0.3510

■ 86.8353, 0.2811,
0.3379

■ 1.8480, 0.2032,
0.3567

■ 112.5657, 0.2837,
0.3372

■ 0.5168, 0.0000,
0.4178

■ 142.9345, 0.2859,
0.3366

■ 0.0000, 0.0000,
0.0000

178.3262, 0.2878,

0.3360

219.1250, 0.2894,
0.3356

■ 22.6100, 0.2635,
0.3425

■ 22.6100, 0.2635,
0.3425

■ 21.9867, 0.2545,
0.3463

■ 23.3663, 0.2739,
0.3389

■ 21.4857, 0.2472,
0.3503

■ 24.2602, 0.2855,
0.3354

■ 21.0991, 0.2416,
0.3543


■ 25.2994, 0.2980,
0.3322

■ 20.8168, 0.2378,
0.3584

■ 26.4901, 0.3112,
0.3293

■ 20.6272, 0.2358,
0.3625


■ 27.8383, 0.3247,
0.3267

 20.5073, 0.2350,
0.3661

 29.3496, 0.3385,
0.3243

 31.0294, 0.3522,
0.3222

 32.8827, 0.3658,
0.3203

 34.9145, 0.3790,
0.3187

Harmonies

Analogous

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



22.6100, 0.2942, 0.3757



22.6100, 0.2635, 0.3425



22.6100, 0.2462, 0.3072

Triad

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



22.6100, 0.2635, 0.3425



22.6100, 0.2912, 0.2721



22.6100, 0.3842, 0.3725

Complementary

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



22.6100, 0.2635, 0.3425



12.5836, 0.4004, 0.3165

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.



22.6100, 0.3841, 0.3439



22.6100, 0.2635, 0.3425



22.6100, 0.3286, 0.2881

Square

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



22.6100, 0.2635, 0.3425



22.6100, 0.2615, 0.2691



22.6100, 0.3633, 0.3137



22.6100, 0.3643, 0.3919

Rectangle

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



22.6100, 0.2635, 0.3425



22.6100, 0.2439, 0.2883



22.6100, 0.3633, 0.3137



22.6100, 0.3866, 0.3636

Sweetspot

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



22.6109, 0.2635, 0.3425



45.0854, 0.2966, 0.3326



21.8849, 0.3147, 0.4480



10.0222, 0.2952, 0.3329



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.



22.6109, 0.2635, 0.3425



39.4840, 0.2554, 0.3459



17.1287, 0.2514, 0.2860



6.1053, 0.3005, 0.3316



18.6991, 0.2350, 0.3659



0.1808, 0.2295, 0.3460

Inverse Universe

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



12.5836, 0.4004, 0.3165



19.0907, 0.4305, 0.3141



16.2391, 0.3969, 0.3678



5.4340, 0.3264, 0.3264



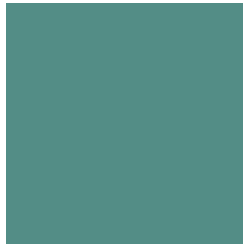
5.2015, 0.6209, 0.3194



0.0514, 0.5502, 0.2804

Previews

White Background



This preview shows how the Yxy color 22.6100, 0.2635, 0.3425 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 22.6100, 0.2635, 0.3425 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

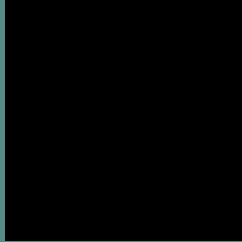
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 22.6100, 0.2635, 0.3425

Background



This preview shows how black text looks on a background with the Yxy color 22.6100, 0.2635, 0.3425.



This preview shows how white text looks on a background with the Yxy color 22.6100, 0.2635, 0.3425.

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

22.6100, 0.2635, 0.3425

Protanopia

22.4841, 0.3195, 0.3343

Deuteranopia

22.3033, 0.3171, 0.3103



Tritanopia

22.6935, 0.2536, 0.3083

Trichromacy



Original Color

22.6100, 0.2635, 0.3425

Protanomaly

22.3067, 0.2959, 0.3363

Deuteranomaly

21.9321, 0.2942, 0.3199

Tritanomaly

22.7482, 0.2577, 0.3212

Monochromacy



Original Color

22.6100, 0.2635, 0.3425

Achromatopsia

19.8069, 0.3127, 0.3290

Achromatomaly

20.6857, 0.2912, 0.3347

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.6100, 0.2635, 0.3425 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(83, 141, 134)` looks like.

```
.text, #text, p{  
    color:rgb(83, 141, 134)  
}
```

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(83, 141, 134) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 141, 134) }
```

Border

The CSS property to change the border of an element to Yxy 22.6100, 0.2635, 0.3425 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(83, 141, 134) }
```

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

```
.border{ border-color:rgb(83, 141, 134) }
```

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

Here you see how a box with a 4 pixel `rgb(83, 141, 134)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 141, 134); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 141, 134);  
box-shadow:4px 4px 4px 4px rgb(83, 141,  
134) }
```


Background

The CSS property to change the background color of an element to Yxy 22.6100, 0.2635, 0.3425 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 141, 134) }
```

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

```
.background{ background-color: rgb(83, 141,  
134) }
```

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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