

Converting Colors

$Y_{xy}(22.5236, 0.2834, 0.3062)$

Have a look what the booklet for
Yxy(22.5236, 0.2834, 0.3062)
contains.

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Color

$Y_{xy}(22.6013, 0.2835, 0.3075)$

Conversions

Conversions Part 1

Format	Color
Hex	758591
RGB	117, 133, 145
RGB Percent	46%, 52%, 57%
CMY	0.5411, 0.4784, 0.4313
CMYK	0.19, 0.08, 0.00, 0.43
HSL	206°, 11%, 51%
HSV	206°, 19%, 57%
XYZ	20.8373, 22.6013, 30.0616
YIQ	129.5840, -13.3880, 0.3400

Conversions

Conversions Part 2

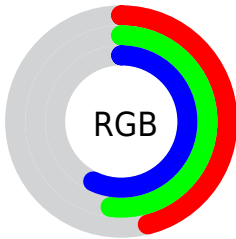
Format	Color
R_{YB}	117, 127, 145
Decimal	7701905
CIE _{Lab}	54.66, -3.08, -8.40
CIE _{LCh}	55, 8.950, 249.891
Yxy	22.6013, 0.2835, 0.3075
Android (android.graphics.Color)	4285891985 (0xFF758591)
YUV	129.5840, 7.6001, -11.0362
Hunter-Lab	47.5408, -4.9593, -4.2124

Details

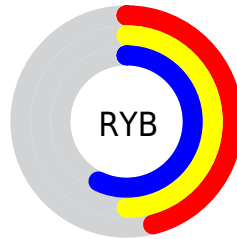
The Yxy color **22.6013, 0.2835, 0.3075** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **23.0184, 0.3455, 0.3496**, and the grayscale version is **22.1467, 0.3127, 0.3290**.

A 20% lighter version of the original color is **47.6763, 0.2894, 0.3120**, and **8.3958, 0.2715, 0.2992** is the 20% darker color. If you saturate the color by 10%, you get **20.0191, 0.2681, 0.2947**, and if you desaturate by 10%, it is **25.4421, 0.2988, 0.3192**.

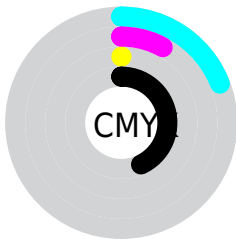
Distribution



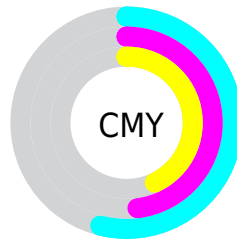
- Red (46%)
- Green (52%)
- Blue (57%)



- Red (46%)
- Yellow (50%)
- Blue (57%)



- Cyan (19%)
- Magenta (8%)
- Yellow (0%)
- Black (43%)



- Cyan (54%)
- Magenta (48%)
- Yellow (43%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 22.6013, 0.2835, 0.3075 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 22.6013, 0.2835, 0.3075 by changing the saturation by 10% instead.

■ 22.6013, 0.2835,
0.3075

■ 22.6013, 0.2835,
0.3075

265.6705, 0.2997,
0.3196

■ 14.2994, 0.2788,
0.3039

■ 47.7378, 0.2899,
0.3123

■ 8.3292, 0.2723,
0.2989

■ 65.3412, 0.2921,
0.3140

■ 4.3063, 0.2627,
0.2915

■ 86.8139, 0.2939,
0.3153

■ 1.8463, 0.2473,
0.2793

112.5403, 0.2955,
0.3165

■ 0.5158, 0.1984,
0.2465

142.9048, 0.2968,
0.3174

■ 0.0000, 0.0000,
0.0000

178.2917, 0.2979,

0.3183

219.0855, 0.2989,
0.3190

■ 22.6013, 0.2835,
0.3075

■ 22.6013, 0.2835,
0.3075

■ 20.0191, 0.2681,
0.2947

■ 25.4421, 0.2988,
0.3192

■ 17.6839, 0.2528,
0.2808

■ 28.5471, 0.3137,
0.3297

■ 15.5871, 0.2380,
0.2659

■ 31.9251, 0.3281,
0.3391

■ 13.7185, 0.2242,
0.2503

■ 35.5838, 0.3418,
0.3475

■ 12.0669, 0.2117,
0.2342

■ 39.5305, 0.3548,
0.3548

■ 10.6198, 0.2010,
0.2178

■ 43.7719, 0.3671,
0.3613

■ 9.3631, 0.1922,
0.2017

■ 48.3149, 0.3785,
0.3670

■ 8.2651, 0.1852,
0.1859

■ 53.1659, 0.3892,
0.3720

■ 8.1932, 0.1847,
0.1848

■ 58.3312, 0.3992,
0.3763

Harmonies

Analogous

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



22.6013, 0.2829, 0.3187



22.6013, 0.2835, 0.3075



22.6013, 0.2917, 0.3023

Triad

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



22.6013, 0.2835, 0.3075



22.6013, 0.3358, 0.3243



22.6013, 0.3192, 0.3555

Complementary

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



22.6013, 0.2835, 0.3075



23.0184, 0.3455, 0.3496

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.



22.6013, 0.3337, 0.3565



22.6013, 0.2835, 0.3075



22.6013, 0.3435, 0.3380

Square

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



22.6013, 0.2835, 0.3075



22.6013, 0.3218, 0.3120



22.6013, 0.3427, 0.3499



22.6013, 0.3032, 0.3469

Rectangle

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



22.6013, 0.2835, 0.3075



22.6013, 0.3006, 0.3027



22.6013, 0.3427, 0.3499



22.6013, 0.3244, 0.3568

Sweetspot

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



22.6022, 0.2835, 0.3075



47.2665, 0.3036, 0.3226



25.6177, 0.2994, 0.3583



10.4471, 0.3028, 0.3220



72.9347, 0.3127, 0.3290



11.2805, 0.3127, 0.3290

Same Dimension

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



22.6022, 0.2835, 0.3075



38.4812, 0.2771, 0.3023



19.1051, 0.2821, 0.2823



5.7336, 0.2990, 0.3193



7.0774, 0.1850, 0.1858



0.1115, 0.2042, 0.2550

Inverse Universe

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



20.4415, 0.3292, 0.3020



34.0275, 0.3335, 0.2959



26.8585, 0.3415, 0.3718



5.4724, 0.3198, 0.3165



5.7008, 0.4617, 0.2317



0.0589, 0.3873, 0.1907

Previews

White Background



This preview shows how the Yxy color 22.6013, 0.2835, 0.3075 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 22.6013, 0.2835, 0.3075 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

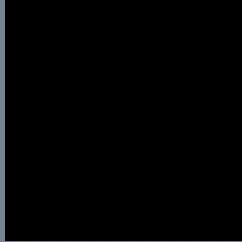
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

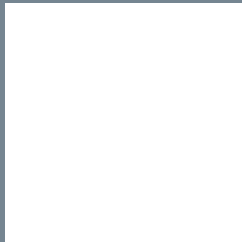
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 22.6013, 0.2835, 0.3075

Background



This preview shows how black text looks on a background with the Yxy color 22.6013, 0.2835, 0.3075.



This preview shows how white text looks on a background with the Yxy color 22.6013, 0.2835, 0.3075.

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

22.6013, 0.2835, 0.3075

Protanopia

22.6156, 0.2980, 0.3064

Deuteranopia

22.4883, 0.3027, 0.2969



Tritanopia

22.5706, 0.2844, 0.3093

Trichromacy



Original Color

22.6013, 0.2835, 0.3075

Protanomaly

22.6062, 0.2927, 0.3062

Deuteranomaly

22.4430, 0.2950, 0.2997

Tritanomaly

22.5706, 0.2844, 0.3093

Monochromacy



Original Color

22.6013, 0.2835, 0.3075

Achromatopsia

22.3228, 0.3127, 0.3290

Achromatomaly

22.3418, 0.3017, 0.3218

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.6013, 0.2835, 0.3075 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, 133, 145)` looks like.

```
.text, #text, p{  
    color:rgb(117, 133, 145)  
}
```

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, 133, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 133, 145) }
```

Border

The CSS property to change the border of an element to Yxy 22.6013, 0.2835, 0.3075 is called "border". The border property can be set on classes, ids or directly on the HTML element.

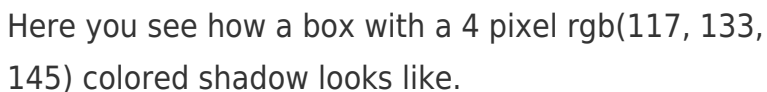
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(117, 133, 145) }
```

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

```
.border{ border-color:rgb(117, 133, 145) }
```

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



Here you see how a box with a 4 pixel `rgb(117, 133, 145)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(117, 133, 145); -webkit-box-shadow:4px 4px 4px 4px rgb(117, 133, 145); box-shadow:4px 4px 4px 4px rgb(117, 133, 145) }
```


Background

The CSS property to change the background color of an element to Yxy 22.6013, 0.2835, 0.3075 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 133, 145) }
```

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

```
.background{ background-color: rgb(117,  
133, 145) }
```

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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