

Converting Colors

$Y_{xy}(19.7715, 0.2677, 0.2977)$

Have a look what the booklet for
Yxy(19.7715, 0.2677, 0.2977)
contains.

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Color

Yxy(19.8712, 0.2675, 0.2986)

Conversions

Conversions Part 1

Format	Color
Hex	647F8F
RGB	100, 127, 143
RGB Percent	39%, 50%, 56%
CMY	0.6078, 0.5019, 0.4393
CMYK	0.30, 0.11, 0.00, 0.44
HSL	202°, 18%, 48%
HSV	202°, 30%, 56%
XYZ	17.8016, 19.8712, 28.8751
YIQ	120.7510, -21.2280, -0.7480

Conversions

Conversions Part 2

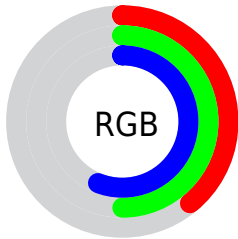
Format	Color
R_{YB}	100, 117, 143
Decimal	6586255
CIE _{Lab}	51.69, -5.70, -11.79
CIE _{LCh}	52, 13.091, 244.190
Yxy	19.8712, 0.2675, 0.2986
Android (android.graphics.Color)	4284776335 (0xFF647F8F)
YUV	120.7510, 10.9688, -18.1986
Hunter-Lab	44.5771, -6.7272, -7.2015

Details

The Yxy color **19.8712, 0.2675, 0.2986** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **19.2434, 0.3690, 0.3575**, and the grayscale version is **19.0053, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.3491, 0.2775, 0.3057**, and **6.9429, 0.2487, 0.2847** is the 20% darker color. If you saturate the color by 10%, you get **17.7901, 0.2528, 0.2866**, and if you desaturate by 10%, it is **22.1694, 0.2826, 0.3097**.

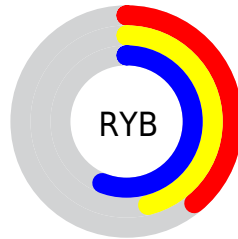
Distribution



Red (39%)

Green (50%)

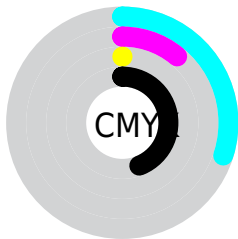
Blue (56%)



Red (39%)

Yellow (46%)

Blue (56%)

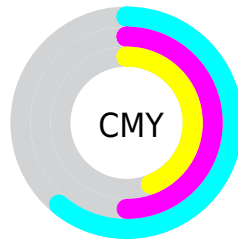


Cyan (30%)

Magenta (11%)

Yellow (0%)

Black (44%)



Cyan (61%)

Magenta (50%)

Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 19.8712, 0.2675, 0.2986 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 19.8712, 0.2675, 0.2986 by changing the saturation by 10% instead.

■ 19.8712, 0.2675,
0.2986

■ 19.8712, 0.2675,
0.2986

251.2170, 0.2930,
0.3161

■ 12.3015, 0.2600,
0.2932

■ 43.2011, 0.2775,
0.3056

■ 6.9493, 0.2495,
0.2856

■ 59.7301, 0.2811,
0.3081

■ 3.4304, 0.2340,
0.2740

■ 80.0143, 0.2840,
0.3100

■ 1.3604, 0.2088,
0.2544

■ 104.4381, 0.2864,
0.3117

■ 0.1872, 0.0309,
0.1492

133.3858, 0.2884,
0.3130

■ 0.0000, 0.0000,
0.0000

167.2420, 0.2901,

0.3142

206.3909, 0.2916,
0.3152

■ 19.8712, 0.2675,
0.2986

■ 19.8712, 0.2675,
0.2986

■ 17.7901, 0.2528,
0.2866

■ 22.1694, 0.2826,
0.3097

■ 15.9151, 0.2388,
0.2739

■ 24.6903, 0.2977,
0.3198

■ 14.2378, 0.2258,
0.2605

■ 27.4423, 0.3126,
0.3290

■ 12.7480, 0.2143,
0.2467

■ 30.4326, 0.3272,
0.3372

■ 11.4342, 0.2045,
0.2327

■ 33.6678, 0.3412,
0.3445

■ 10.2832, 0.1967,
0.2188

■ 37.1545, 0.3546,
0.3510

■ 9.2668, 0.1903,
0.2051

■ 40.8989, 0.3673,
0.3567

■ 44.9070, 0.3792,
0.3617

■ 49.1845, 0.3905,
0.3661

Harmonies

Analogous

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



19.8712, 0.2688, 0.3168



19.8712, 0.2675, 0.2986



19.8712, 0.2777, 0.2893

Triad

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



19.8712, 0.2675, 0.2986



19.8712, 0.3445, 0.3178



19.8712, 0.3269, 0.3713

Complementary

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



19.8712, 0.2675, 0.2986



19.2434, 0.3690, 0.3575

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.



19.8712, 0.3481, 0.3698



19.8712, 0.2675, 0.2986



19.8712, 0.3587, 0.3383

Square

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



19.8712, 0.2675, 0.2986



19.8712, 0.3218, 0.3006



19.8712, 0.3599, 0.3573



19.8712, 0.3025, 0.3601

Rectangle

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



19.8712, 0.2675, 0.2986



19.8712, 0.2899, 0.2888



19.8712, 0.3599, 0.3573



19.8712, 0.3346, 0.3722

Sweetspot

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



19.8720, 0.2675, 0.2986



44.6418, 0.2990, 0.3206



23.6035, 0.2944, 0.3815



10.0936, 0.2970, 0.3193



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.



19.8720, 0.2675, 0.2986



33.0571, 0.2576, 0.2907



14.9452, 0.2629, 0.2562



5.7839, 0.2990, 0.3206



8.2371, 0.1905, 0.2058



0.1211, 0.2076, 0.2672

Inverse Universe

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



16.4851, 0.3374, 0.2822



26.2657, 0.3447, 0.2714



24.7200, 0.3590, 0.3926



5.4775, 0.3190, 0.3153



5.8179, 0.4388, 0.2191



0.0599, 0.3755, 0.1842

Previews

White Background



This preview shows how the Yxy color 19.8712, 0.2675, 0.2986 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 19.8712, 0.2675, 0.2986 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

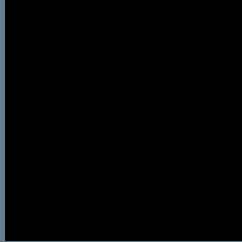
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

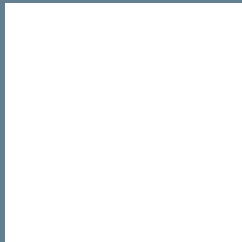
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 19.8712, 0.2675, 0.2986

Background



This preview shows how black text looks on a background with the Yxy color 19.8712, 0.2675, 0.2986.



This preview shows how white text looks on a background with the Yxy color 19.8712, 0.2675, 0.2986.

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

19.8712, 0.2675, 0.2986

Protanopia

19.8056, 0.2908, 0.2963

Deuteranopia

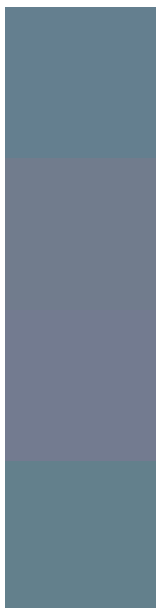
19.7316, 0.2911, 0.2863



Tritanopia

19.9260, 0.2712, 0.3097

Trichromacy



Original Color

19.8712, 0.2675, 0.2986

Protanomaly

19.8491, 0.2822, 0.2975

Deuteranomaly

19.8244, 0.2813, 0.2906

Tritanomaly

19.9844, 0.2694, 0.3059

Monochromacy



Original Color

19.8712, 0.2675, 0.2986

Achromatopsia

19.1202, 0.3127, 0.3290

Achromatomaly

19.2616, 0.2943, 0.3175

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.8712, 0.2675, 0.2986 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(100, 127, 143)` looks like.

```
.text, #text, p{  
    color:rgb(100, 127, 143)  
}
```

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(100, 127, 143) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 127, 143) }
```

Border

The CSS property to change the border of an element to Yxy 19.8712, 0.2675, 0.2986 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(100, 127, 143) }
```

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

```
.border{ border-color:rgb(100, 127, 143) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 127, 143)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 127, 143); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 127, 143);  
box-shadow:4px 4px 4px 4px rgb(100, 127,  
143) }
```


Background

The CSS property to change the background color of an element to Yxy 19.8712, 0.2675, 0.2986 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 127, 143) }
```

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

```
.background{ background-color: rgb(100,  
127, 143) }
```

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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