

Converting Colors

$Yxy(19.6128, 0.2323, 0.2921)$

Have a look what the booklet for
Yxy(19.6128, 0.2323, 0.2921)
contains.

Yxy(19.6652, 0.2327, 0.2930)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

$Y_{xy}(19.6652, 0.2327, 0.2930)$

Conversions

Conversions Part 1

Format	Color
Hex	3C8496
RGB	60, 132, 150
RGB Percent	24%, 52%, 59%
CMY	0.7649, 0.4823, 0.4117
CMYK	0.60, 0.12, 0.00, 0.41
HSL	192°, 43%, 41%
HSV	192°, 60%, 59%
XYZ	15.6181, 19.6652, 31.8335
YIQ	112.5240, -48.6900, -9.6660

Conversions

Conversions Part 2

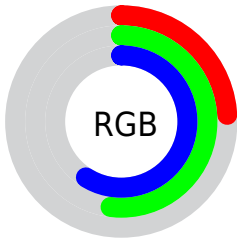
Format	Color
R _Y B	60, 100, 150
Decimal	3966102
CIE Lab	51.46, -16.90, -16.44
CIE LCh	51, 23.573, 224.206
Yxy	19.6652, 0.2327, 0.2930
Android (android.graphics.Color)	4282156182 (0xFF3C8496)
YUV	112.5240, 18.4757, -46.0635
Hunter-Lab	44.3455, -14.7385, -11.5196

Details

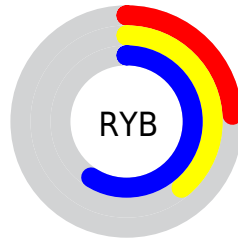
The Yxy color **19.6652, 0.2327, 0.2930** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **12.2534, 0.4719, 0.3588**, and the grayscale version is **16.3171, 0.3127, 0.3290**.

A 20% lighter version of the original color is **42.7706, 0.2501, 0.3018**, and **6.9354, 0.2102, 0.2766** is the 20% darker color. If you saturate the color by 10%, you get **18.4617, 0.2236, 0.2859**, and if you desaturate by 10%, it is **21.0260, 0.2434, 0.2999**.

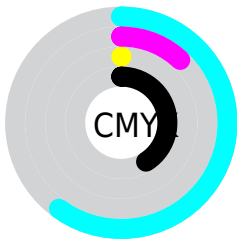
Distribution



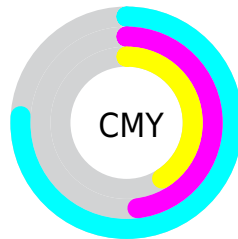
- Red (24%)
- Green (52%)
- Blue (59%)



- Red (24%)
- Yellow (39%)
- Blue (59%)



- Cyan (60%)
- Magenta (12%)
- Yellow (0%)
- Black (41%)



- Cyan (76%)
- Magenta (48%)
- Yellow (41%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 19.6652, 0.2327, 0.2930 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 19.6652, 0.2327, 0.2930 by changing the saturation by 10% instead.

■ 19.6652, 0.2327,
0.2930

■ 19.6652, 0.2327,
0.2930

■ 250.0968, 0.2771,
0.3145

■ 12.1519, 0.2200,
0.2862

■ 42.8552, 0.2500,
0.3018

■ 6.8472, 0.2027,
0.2763

■ 59.3006, 0.2561,
0.3048

■ 3.3667, 0.1780,
0.2610

■ 79.4922, 0.2612,
0.3072

■ 1.3261, 0.1404,
0.2347

■ 103.8144, 0.2654,
0.3092

■ 0.1612, 0.0000,
0.1052

■ 132.6516, 0.2690,
0.3108

■ 0.0000, 0.0000,
0.0000

166.3881, 0.2721,

0.3122

205.4084, 0.2748,
0.3134

■ 19.6652, 0.2327,
0.2930

■ 19.6652, 0.2327,
0.2930

■ 18.4617, 0.2236,
0.2859

■ 21.0260, 0.2434,
0.2999

■ 17.4015, 0.2163,
0.2788

■ 22.5523, 0.2556,
0.3065

■ 16.4717, 0.2109,
0.2717

■ 24.2541, 0.2689,
0.3128

■ 15.6407, 0.2069,
0.2646

■ 26.1402, 0.2830,
0.3186

■ 28.2184, 0.2977,
0.3240

■ 30.4962, 0.3127,
0.3290

■ 32.9808, 0.3276,
0.3335

■ 35.6787, 0.3425,
0.3375

■ 38.5963, 0.3570,
0.3410

Harmonies

Analogous

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



19.6652, 0.2476, 0.3330



19.6652, 0.2327, 0.2930



19.6652, 0.2372, 0.2669

Triad

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



19.6652, 0.2327, 0.2930



19.6652, 0.3432, 0.2882



19.6652, 0.3638, 0.4066

Complementary

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



19.6652, 0.2327, 0.2930



12.2534, 0.4719, 0.3588

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.



19.6652, 0.3929, 0.3872



19.6652, 0.2327, 0.2930



19.6652, 0.3814, 0.3198

Square

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



19.6652, 0.2327, 0.2930



19.6652, 0.2984, 0.2662



19.6652, 0.3999, 0.3552



19.6652, 0.3221, 0.4035

Rectangle

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



19.6652, 0.2327, 0.2930



19.6652, 0.2507, 0.2591



19.6652, 0.3999, 0.3552



19.6652, 0.3755, 0.4022

Sweetspot

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



19.6659, 0.2327, 0.2930



46.7149, 0.2855, 0.3196



23.3051, 0.2931, 0.4848



10.1459, 0.2816, 0.3181



74.8414, 0.3127, 0.3290



11.9280, 0.3127, 0.3290

Same Dimension

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



19.6659, 0.2327, 0.2930



31.9140, 0.2210, 0.2835



10.2178, 0.2121, 0.1989



6.3673, 0.2990, 0.3245



13.0144, 0.2070, 0.2652



0.1995, 0.2163, 0.2988

Inverse Universe

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



11.3776, 0.3477, 0.2155



16.8554, 0.3579, 0.1984



20.6063, 0.4221, 0.4286



5.8895, 0.3166, 0.3115



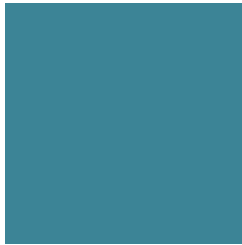
6.5072, 0.3774, 0.1853



0.0837, 0.3465, 0.1682

Previews

White Background



This preview shows how the Yxy color 19.6652, 0.2327, 0.2930 looks on a white background.

Color Contrast Check

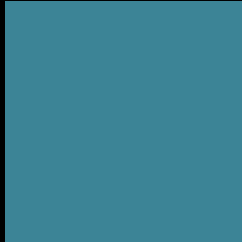
Large Text (above 18pt) WCAG AA ✓ Pass

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 19.6652, 0.2327, 0.2930 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

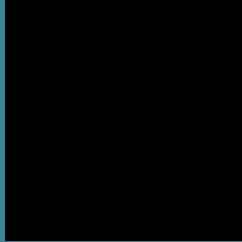
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

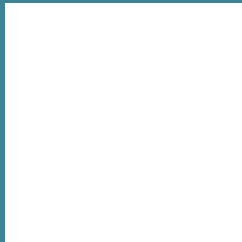
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 19.6652, 0.2327, 0.2930

Background



This preview shows how black text looks on a background with the Yxy color 19.6652, 0.2327, 0.2930.



This preview shows how white text looks on a background with the Yxy color 19.6652, 0.2327, 0.2930.

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

19.6652, 0.2327, 0.2930

Protanopia

19.5095, 0.2854, 0.2890

Deuteranopia

19.5844, 0.2754, 0.2705



Tritanopia

19.6585, 0.2355, 0.3064

Trichromacy



Original Color

19.6652, 0.2327, 0.2930

Protanomaly

19.2839, 0.2615, 0.2890

Deuteranomaly

19.2237, 0.2562, 0.2766

Tritanomaly

19.7499, 0.2347, 0.3026

Monochromacy



Original Color

19.6652, 0.2327, 0.2930

Achromatopsia

16.5132, 0.3127, 0.3290

Achromatomaly

17.3190, 0.2760, 0.3166

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.6652, 0.2327, 0.2930 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(60, 132, 150)` looks like.

```
.text, #text, p{  
    color:rgb(60, 132, 150)  
}
```

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(60, 132, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(60, 132, 150) }
```

Border

The CSS property to change the border of an element to Yxy 19.6652, 0.2327, 0.2930 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(60, 132, 150) }
```

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

```
.border{ border-color:rgb(60, 132, 150) }
```

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

Here you see how a box with a 4 pixel `rgb(60, 132, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(60, 132, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(60, 132, 150);  
box-shadow:4px 4px 4px 4px rgb(60, 132,  
150) }
```


Background

The CSS property to change the background color of an element to Yxy 19.6652, 0.2327, 0.2930 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(60, 132, 150) }
```

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

```
.background{ background-color: rgb(60, 132,  
150) }
```

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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