

Converting Colors

$Y_{xy}(19.7747, 0.2635, 0.2958)$

Have a look what the booklet for
Yxy(19.7747, 0.2635, 0.2958)
contains.

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Color

Yxy(19.7337, 0.2637, 0.2965)

Conversions

Conversions Part 1

Format	Color
Hex	617F90
RGB	97, 127, 144
RGB Percent	38%, 50%, 56%
CMY	0.6197, 0.5019, 0.4353
CMYK	0.33, 0.12, 0.00, 0.44
HSL	202°, 20%, 47%
HSV	202°, 33%, 56%
XYZ	17.5507, 19.7337, 29.2711
YIQ	119.9680, -23.3370, -1.0730

Conversions

Conversions Part 2

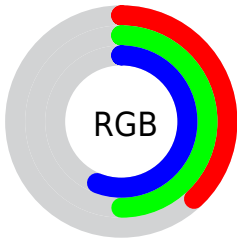
Format	Color
R _Y B	97, 115, 144
Decimal	6389648
CIE Lab	51.53, -6.38, -12.64
CIE LCh	52, 14.157, 243.233
Yxy	19.7337, 0.2637, 0.2965
Android (android.graphics.Color)	4284579728 (0xFF617F90)
YUV	119.9680, 11.8478, -20.1429
Hunter-Lab	44.4226, -7.2171, -7.9717

Details

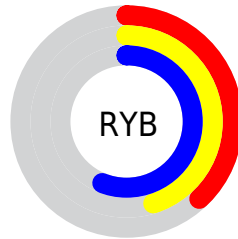
The Yxy color $19.7337, 0.2637, 0.2965$ is a dark color, and the websafe version is hex 669999 . A complement of this color would be $18.8186, 0.3755, 0.3592$, and the grayscale version is $18.7371, 0.3127, 0.3290$.

A 20% lighter version of the original color is $43.1093, 0.2746, 0.3042$, and $6.8853, 0.2439, 0.2816$ is the 20% darker color. If you saturate the color by 10%, you get $17.7046, 0.2492, 0.2847$, and if you desaturate by 10%, it is $21.9774, 0.2787, 0.3075$.

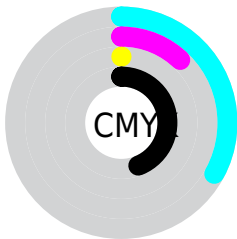
Distribution



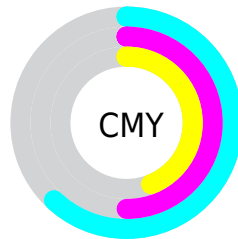
- Red (38%)
- Green (50%)
- Blue (56%)



- Red (38%)
- Yellow (45%)
- Blue (56%)



- Cyan (33%)
- Magenta (12%)
- Yellow (0%)
- Black (44%)



- Cyan (62%)
- Magenta (50%)
- Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 19.7337, 0.2637, 0.2965 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 19.7337, 0.2637, 0.2965 by changing the saturation by 10% instead.

■ 19.7337, 0.2637,
0.2965

■ 19.7337, 0.2637,
0.2965

250.4698, 0.2913,
0.3153

■ 12.2016, 0.2556,
0.2908

■ 42.9703, 0.2746,
0.3040

■ 6.8811, 0.2443,
0.2826

■ 59.4435, 0.2784,
0.3066

■ 3.3879, 0.2276,
0.2701

■ 79.6660, 0.2815,
0.3088

■ 1.3374, 0.2005,
0.2490

■ 104.0220, 0.2841,
0.3105

■ 0.1699, 0.0047,
0.1361

132.8960, 0.2863,
0.3120

■ 0.0000, 0.0000,
0.0000

166.6724, 0.2882,

0.3132

205.7355, 0.2899,
0.3143

■ 19.7337, 0.2637,
0.2965

■ 19.7337, 0.2637,
0.2965

■ 17.7046, 0.2492,
0.2847

■ 21.9774, 0.2787,
0.3075

■ 15.8789, 0.2356,
0.2721

■ 24.4415, 0.2938,
0.3176

■ 14.2478, 0.2231,
0.2590

■ 27.1346, 0.3088,
0.3267

■ 12.8008, 0.2121,
0.2455

■ 30.0639, 0.3235,
0.3350

■ 11.5260, 0.2030,
0.2319

■ 33.2363, 0.3377,
0.3423

■ 10.4094, 0.1958,
0.2185

■ 36.6584, 0.3513,
0.3488

■ 9.6632, 0.1913,
0.2087

■ 40.3365, 0.3642,
0.3546

■ 44.2767, 0.3765,
0.3596

■ 48.4849, 0.3880,
0.3640

Harmonies

Analogous

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



19.7337, 0.2655, 0.3164



19.7337, 0.2637, 0.2965



19.7337, 0.2743, 0.2862

Triad

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



19.7337, 0.2637, 0.2965



19.7337, 0.3465, 0.3162



19.7337, 0.3288, 0.3751

Complementary

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



19.7337, 0.2637, 0.2965



18.8186, 0.3755, 0.3592

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.



19.7337, 0.3516, 0.3730



19.7337, 0.2637, 0.2965



19.7337, 0.3623, 0.3382

Square

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



19.7337, 0.2637, 0.2965



19.7337, 0.3216, 0.2978



19.7337, 0.3641, 0.3590



19.7337, 0.3024, 0.3634

Rectangle

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



19.7337, 0.2637, 0.2965



19.7337, 0.2873, 0.2855



19.7337, 0.3641, 0.3590



19.7337, 0.3372, 0.3759

Sweetspot

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



19.7345, 0.2637, 0.2965



44.2358, 0.2975, 0.3199



23.6896, 0.2937, 0.3885



10.0108, 0.2956, 0.3187



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.



19.7345, 0.2637, 0.2965



32.2123, 0.2533, 0.2881



14.4587, 0.2582, 0.2503



5.7930, 0.2990, 0.3209



8.4598, 0.1915, 0.2094



0.1228, 0.2081, 0.2693

Inverse Universe

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



16.0057, 0.3395, 0.2772



24.9268, 0.3473, 0.2657



24.6691, 0.3637, 0.3970



5.4784, 0.3189, 0.3150



5.8404, 0.4348, 0.2169



0.0601, 0.3735, 0.1831

Previews

White Background



This preview shows how the Yxy color 19.7337, 0.2637, 0.2965 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 19.7337, 0.2637, 0.2965 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

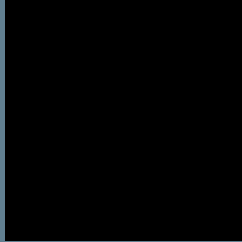
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

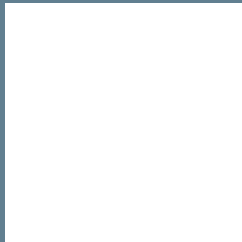
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 19.7337, 0.2637, 0.2965

Background



This preview shows how black text looks on a background with the Yxy color 19.7337, 0.2637, 0.2965.



This preview shows how white text looks on a background with the Yxy color 19.7337, 0.2637, 0.2965.

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

19.7337, 0.2637, 0.2965

Protanopia

19.7345, 0.2896, 0.2961

Deuteranopia

19.7192, 0.2879, 0.2828



Tritanopia

19.7601, 0.2683, 0.3095

Trichromacy



Original Color

19.7337, 0.2637, 0.2965

Protanomaly

19.7179, 0.2800, 0.2973

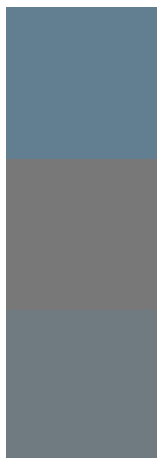
Deuteranomaly

19.7877, 0.2792, 0.2888

Tritanomaly

19.8186, 0.2665, 0.3057

Monochromacy



Original Color

19.7337, 0.2637, 0.2965

Achromatopsia

18.7821, 0.3127, 0.3290

Achromatomaly

19.1956, 0.2932, 0.3175

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.7337, 0.2637, 0.2965 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(97, 127, 144)` looks like.

```
.text, #text, p{  
    color:rgb(97, 127, 144)  
}
```

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(97, 127, 144) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(97, 127, 144) }
```

Border

The CSS property to change the border of an element to Yxy 19.7337, 0.2637, 0.2965 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(97, 127, 144) }
```

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

```
.border{ border-color:rgb(97, 127, 144) }
```

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

Here you see how a box with a 4 pixel `rgb(97, 127, 144)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(97, 127, 144); -webkit-box-  
shadow:4px 4px 4px 4px rgb(97, 127, 144);  
box-shadow:4px 4px 4px 4px rgb(97, 127,  
144) }
```


Background

The CSS property to change the background color of an element to Yxy 19.7337, 0.2637, 0.2965 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(97, 127, 144) }
```

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

```
.background{ background-color: rgb(97, 127,  
144) }
```

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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