

Converting Colors

$Y_{xy}(11.8437, 0.2722, 0.3939)$

Have a look what the booklet for
Yxy(11.8437, 0.2722, 0.3939)
contains.

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Color

Yxy(11.8437, 0.2722, 0.3939)

Conversions

Conversions Part 1

Format	Color
Hex	336B53
RGB	51, 107, 83
RGB Percent	20%, 42%, 33%
CMY	0.8000, 0.5804, 0.6745
CMYK	0.52, 0.00, 0.22, 0.58
HSL	154°, 35%, 31%
HSV	154°, 52%, 42%
XYZ	8.1845, 11.8437, 10.0396
YIQ	87.5200, -25.6720, -19.3360

Conversions

Conversions Part 2

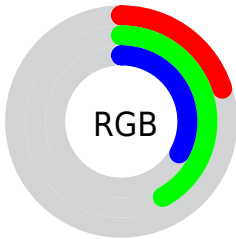
Format	Color
RYB	51, 87, 107
Decimal	3369811
CIELab	40.97, -24.75, 7.86
CIELCh	41, 25.971, 162.374
Yxy	11.8437, 0.2722, 0.3939
Android (android.graphics.Color)	4281559891 (0xFF336B53)
YUV	87.5200, -2.2284, -32.0280
Hunter-Lab	34.4147, -17.7751, 6.7939




Details

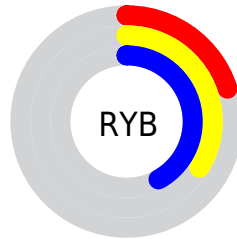
The Yxy color **11.8437, 0.2722, 0.3939** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **6.0016, 0.3892, 0.2742**, and the grayscale version is **9.6585, 0.3127, 0.3290**.




A 20% lighter version of the original color is **29.2870, 0.2839, 0.3772**, and **3.2679, 0.2536, 0.4331** is the 20% darker color. If you saturate the color by 10%, you get **11.5290, 0.2674, 0.4091**, and if you desaturate by 10%, it is **12.2280, 0.2783, 0.3794**.

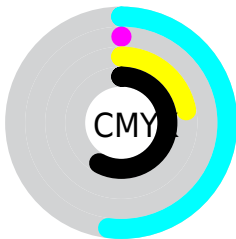
Distribution







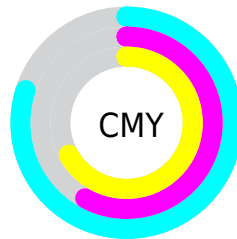
-  Red (20%)
-  Green (42%)
-  Blue (33%)






-  Red (20%)
-  Yellow (34%)
-  Blue (42%)



-  Cyan (52%)
-  Magenta (0%)
-  Yellow (22%)
-  Black (58%)




-  Cyan (80%)
-  Magenta (58%)
-  Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 11.8437, 0.2722, 0.3939 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 11.8437, 0.2722, 0.3939 by changing the saturation by 10% instead.


 11.8437, 0.2722,
0.3939


 11.8437, 0.2722,
0.3939

203.3678, 0.2976,
0.3529


 6.6373, 0.2630,
0.4091


 29.2101, 0.2832,
0.3760


 3.2363, 0.2484,
0.4336

 42.1390, 0.2867,
0.3703

 1.2563, 0.2132,
0.4873

 58.4108, 0.2895,
0.3658

 0.1070, 0.0000,
1.0000

 78.4099, 0.2917,
0.3622

 0.0000, 0.0000,
0.0000

 102.5208, 0.2936,
0.3592

 131.1278, 0.2951,

0.3568

164.6153, 0.2965,
0.3547

■ 11.8437, 0.2722,
0.3939

■ 11.8437, 0.2722,
0.3939

■ 11.5290, 0.2674,
0.4091

■ 12.2280, 0.2783,
0.3794

■ 11.2780, 0.2641,
0.4248

■ 12.6847, 0.2855,
0.3658

■ 11.0860, 0.2626,
0.4407

■ 13.2179, 0.2934,
0.3532

■ 10.9464, 0.2629,
0.4564

■ 13.8313, 0.3019,
0.3417

■ 10.8543, 0.2635,
0.4685

■ 14.5280, 0.3106,
0.3313

■ 15.3113, 0.3195,
0.3219

■ 16.1840, 0.3284,
0.3136

■ 17.1489, 0.3371,
0.3062

■ 18.2088, 0.3455,
0.2996

Harmonies

Analogous

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



11.8437, 0.3270, 0.4294



11.8437, 0.2722, 0.3939



11.8437, 0.2307, 0.3367

Triad

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



11.8437, 0.2722, 0.3939



11.8437, 0.2429, 0.2389



11.8437, 0.4261, 0.3577

Complementary

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



11.8437, 0.2722, 0.3939



6.0016, 0.3892, 0.2742

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.



11.8437, 0.4001, 0.3134



11.8437, 0.2722, 0.3939



11.8437, 0.2901, 0.2482

Square

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



11.8437, 0.2722, 0.3939



11.8437, 0.2156, 0.2501



11.8437, 0.3483, 0.2747



11.8437, 0.4178, 0.3999

Rectangle

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



11.8437, 0.2722, 0.3939



11.8437, 0.2151, 0.2996



11.8437, 0.3483, 0.2747



11.8437, 0.4211, 0.3428

Sweetspot

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



11.8442, 0.2722, 0.3939



24.2964, 0.2984, 0.3463



12.2614, 0.3366, 0.4702



5.8406, 0.2971, 0.3480



57.0482, 0.3127, 0.3290



6.3724, 0.3127, 0.3290

Same Dimension

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



11.8442, 0.2722, 0.3939



20.5236, 0.2664, 0.4129



11.5193, 0.2466, 0.3193



3.4710, 0.3048, 0.3381



13.1983, 0.2639, 0.4700



67.0747, 0.2663, 0.4786

Inverse Universe

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



6.0016, 0.3892, 0.2742



8.7775, 0.4182, 0.2638



6.0721, 0.4460, 0.3379



3.1363, 0.3214, 0.3201



4.0353, 0.5168, 0.2620



20.3941, 0.5303, 0.2695

Previews

White Background



This preview shows how the Yxy color 11.8437, 0.2722, 0.3939 looks on a white 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

Black Background



This preview shows how the Yxy color 11.8437, 0.2722, 0.3939 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

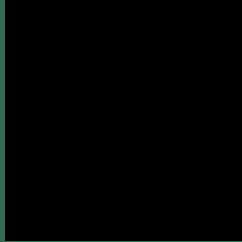
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 11.8437, 0.2722, 0.3939

Background



This preview shows how black text looks on a background with the Yxy color 11.8437, 0.2722, 0.3939.



This preview shows how white text looks on a background with the Yxy color 11.8437, 0.2722, 0.3939.

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

11.8437, 0.2722, 0.3939

Protanopia

11.7406, 0.3485, 0.3707

Deuteranopia

11.7518, 0.3490, 0.3447



Tritanopia

11.8002, 0.2489, 0.3067

Trichromacy



Original Color

11.8437, 0.2722, 0.3939

Protanomaly

11.5325, 0.3147, 0.3792

Deuteranomaly

11.4659, 0.3157, 0.3608

Tritanomaly

11.6810, 0.2573, 0.3366

Monochromacy



Original Color

11.8437, 0.2722, 0.3939

Achromatopsia

9.7587, 0.3127, 0.3290

Achromatomaly

10.3522, 0.2953, 0.3525

CSS Examples

Text

The CSS property to change the color of the text to Yxy 11.8437, 0.2722, 0.3939 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(51, 107, 83)` looks like.

```
.text, #text, p{  
    color:rgb(51, 107, 83)  
}
```

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(51, 107, 83) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 107, 83) }
```

Border

The CSS property to change the border of an element to Yxy 11.8437, 0.2722, 0.3939 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(51, 107, 83) }
```

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

```
.border{ border-color:rgb(51, 107, 83) }
```

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

Here you see how a box with a 4 pixel `rgb(51, 107, 83)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 107, 83); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 107, 83);  
box-shadow:4px 4px 4px 4px rgb(51, 107,  
83) }
```


Background

The CSS property to change the background color of an element to Yxy 11.8437, 0.2722, 0.3939 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 107, 83) }
```

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

```
.background{ background-color: rgb(51, 107,  
83) }
```

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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