

Converting Colors

$Yxy(20.6287, 0.2486, 0.3849)$

Have a look what the booklet for
Yxy(20.6287, 0.2486, 0.3849)
contains.

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Color

Yxy(20.6449, 0.2490, 0.3862)

Conversions

Conversions Part 1

Format	Color
Hex	238D73
RGB	35, 141, 115
RGB Percent	14%, 55%, 45%
CMY	0.8630, 0.4470, 0.5490
CMYK	0.75, 0.00, 0.18, 0.45
HSL	165°, 60%, 34%
HSV	165°, 75%, 55%
XYZ	13.3107, 20.6449, 19.5009
YIQ	106.3420, -54.8300, -30.5580

Conversions

Conversions Part 2

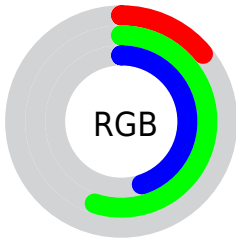
Format	Color
RYB	35, 95, 141
Decimal	2329971
CIELab	52.56, -35.86, 5.47
CIELCh	53, 36.275, 171.329
Yxy	20.6449, 0.2490, 0.3862
Android (android.graphics.Color)	4280520051 (0xFF238D73)
YUV	106.3420, 4.2684, -62.5669
Hunter-Lab	45.4367, -27.2226, 6.3590

Details

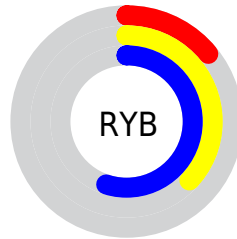
The Yxy color **20.6449, 0.2490, 0.3862** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **7.1984, 0.5017, 0.2906**, and the grayscale version is **14.5070, 0.3127, 0.3290**.

A 20% lighter version of the original color is **44.3616, 0.2635, 0.3720**, and **7.7176, 0.2465, 0.4075** is the 20% darker color. If you saturate the color by 10%, you get **20.3690, 0.2469, 0.3951**, and if you desaturate by 10%, it is **21.0245, 0.2529, 0.3774**.

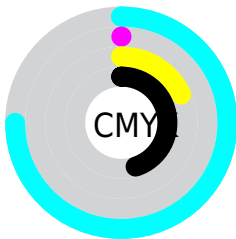
Distribution



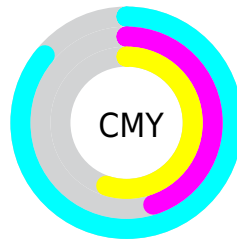
- Red (14%)
- Green (55%)
- Blue (45%)



- Red (14%)
- Yellow (37%)
- Blue (55%)



- Cyan (75%)
- Magenta (0%)
- Yellow (18%)
- Black (45%)





- Cyan (86%)
- Magenta (45%)
- Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 20.6449, 0.2490, 0.3862 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 20.6449, 0.2490, 0.3862 by changing the saturation by 10% instead.


 20.6449, 0.2490,
0.3862


 20.6449, 0.2490,
0.3862


255.3853, 0.2854,
0.3529


 12.8647, 0.2380,
0.3966


 44.4958, 0.2635,
0.3727


 7.3354, 0.2226,
0.4115


 61.3353, 0.2685,
0.3681


 3.6728, 0.1993,
0.4348

 81.9633, 0.2727,
0.3644

 1.4922, 0.1448,
0.4846

 106.7642, 0.2761,
0.3613

 0.2833, 0.0000,
1.0000

 136.1225, 0.2789,
0.3587

 0.0000, 0.0000,
0.0000

 170.4225, 0.2814,

0.3565

210.0486, 0.2835,
0.3546

■ 20.6449, 0.2490,
0.3862

■ 20.6449, 0.2490,
0.3862

■ 20.3690, 0.2469,
0.3951

■ 21.0245, 0.2529,
0.3774

■ 20.1796, 0.2466,
0.4040

■ 21.5162, 0.2587,
0.3687

■ 20.1012, 0.2467,
0.4082

■ 22.1298, 0.2660,
0.3604

■ 22.8738, 0.2747,
0.3525

■ 23.7558, 0.2846,
0.3451

■ 24.7827, 0.2953,
0.3383

■ 25.9611, 0.3066,
0.3320

■ 27.2970, 0.3183,
0.3264

■ 28.7963, 0.3302,
0.3213

Harmonies

Analogous

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



20.6449, 0.3085, 0.4391



20.6449, 0.2490, 0.3862



20.6449, 0.2092, 0.3169

Triad

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



20.6449, 0.2490, 0.3862



20.6449, 0.2463, 0.2273



20.6449, 0.4452, 0.3752

Complementary

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



20.6449, 0.2490, 0.3862



7.1984, 0.5017, 0.2906

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.



20.6449, 0.4272, 0.3248



20.6449, 0.2490, 0.3862



20.6449, 0.3055, 0.2443

Square

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



20.6449, 0.2490, 0.3862



20.6449, 0.2085, 0.2320



20.6449, 0.3736, 0.2788



20.6449, 0.4233, 0.4215

Rectangle

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



20.6449, 0.2490, 0.3862



20.6449, 0.1972, 0.2774



20.6449, 0.3736, 0.2788



20.6449, 0.4438, 0.3584

Sweetspot

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



20.6457, 0.2490, 0.3862



42.8370, 0.2864, 0.3439



20.1794, 0.3200, 0.5481



9.4451, 0.2831, 0.3462



71.0566, 0.3127, 0.3290



10.6539, 0.3127, 0.3290

Same Dimension

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



20.6457, 0.2490, 0.3862



36.2326, 0.2466, 0.4010



14.4252, 0.2168, 0.2703



6.0940, 0.3021, 0.3344



18.3292, 0.2466, 0.4079



0.1787, 0.2351, 0.3665

Inverse Universe

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



7.1984, 0.5017, 0.2906



10.9000, 0.5632, 0.2969



9.1710, 0.5229, 0.3694



5.4444, 0.3245, 0.3236



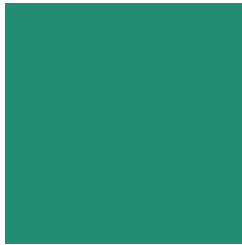
5.2740, 0.5884, 0.3015



0.0535, 0.4861, 0.2452

Previews

White Background



This preview shows how the Yxy color 20.6449, 0.2490, 0.3862 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 20.6449, 0.2490, 0.3862 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

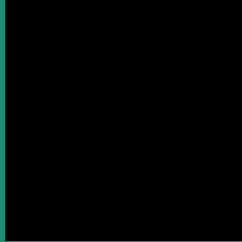
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.6449, 0.2490, 0.3862

Background



This preview shows how black text looks on a background with the Yxy color 20.6449, 0.2490, 0.3862.



This preview shows how white text looks on a background with the Yxy color 20.6449, 0.2490, 0.3862.

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

20.6449, 0.2490, 0.3862

Protanopia

20.2812, 0.3424, 0.3622

Deuteranopia

20.2538, 0.3380, 0.3308



Tritanopia

20.7863, 0.2326, 0.3068

Trichromacy



Original Color

20.6449, 0.2490, 0.3862

Protanomaly

19.5562, 0.2963, 0.3722

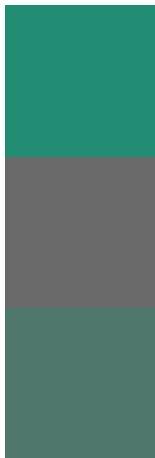
Deuteranomaly

19.5131, 0.2925, 0.3490

Tritanomaly

20.5354, 0.2377, 0.3329

Monochromacy



Original Color

20.6449, 0.2490, 0.3862

Achromatopsia

14.4128, 0.3127, 0.3290

Achromatomaly

16.0033, 0.2780, 0.3513

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.6449, 0.2490, 0.3862 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(35, 141, 115)` looks like.

```
.text, #text, p{  
    color:rgb(35, 141, 115)  
}
```

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(35, 141, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(35, 141, 115) }
```

Border

The CSS property to change the border of an element to Yxy 20.6449, 0.2490, 0.3862 is called "border". The border property can be set on classes, ids or directly on the HTML element.

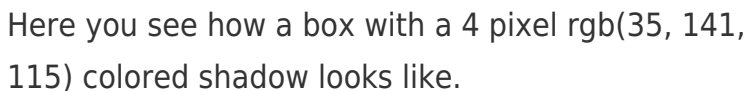
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(35, 141, 115) }
```

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

```
.border{ border-color:rgb(35, 141, 115) }
```

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



Here you see how a box with a 4 pixel `rgb(35, 141, 115)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(35, 141, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(35, 141, 115);  
box-shadow:4px 4px 4px 4px rgb(35, 141,  
115) }
```


Background

The CSS property to change the background color of an element to Yxy 20.6449, 0.2490, 0.3862 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(35, 141, 115) }
```

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

```
.background{ background-color: rgb(35, 141,  
115) }
```

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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