

Converting Colors

$Yxy(30.3484, 0.2438, 0.3765)$

Have a look what the booklet for
Yxy(30.3484, 0.2438, 0.3765)
contains.

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Color

Yxy(30.3333, 0.2441, 0.3775)

Conversions

Conversions Part 1

Format	Color
Hex	24A88E
RGB	36, 168, 142
RGB Percent	14%, 66%, 56%
CMY	0.8584, 0.3412, 0.4432
CMYK	0.79, 0.00, 0.15, 0.34
HSL	168°, 65%, 40%
HSV	168°, 79%, 66%
XYZ	19.6142, 30.3333, 30.4056
YIQ	125.5680, -70.3260, -36.0700

Conversions

Conversions Part 2

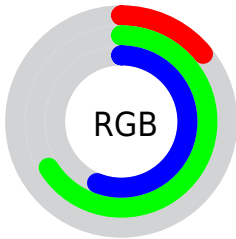
Format	Color
RYB	36, 109, 168
Decimal	2402446
CIELab	61.94, -40.48, 3.65
CIELCh	62, 40.646, 174.841
Yxy	30.3333, 0.2441, 0.3775
Android (android.graphics.Color)	4280592526 (0xFF24A88E)
YUV	125.5680, 8.1010, -78.5511
Hunter-Lab	55.0757, -32.8129, 5.8208

Details

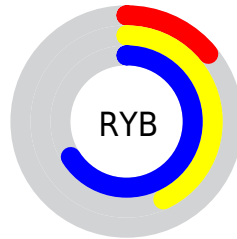
The Yxy color **30.3333, 0.2441, 0.3775** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **9.9420, 0.5324, 0.2998**, and the grayscale version is **20.7101, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.2399, 0.2578, 0.3669**, and **13.0342, 0.2420, 0.3913** is the 20% darker color. If you saturate the color by 10%, you get **30.0010, 0.2425, 0.3846**, and if you desaturate by 10%, it is **30.8128, 0.2476, 0.3704**.

Distribution



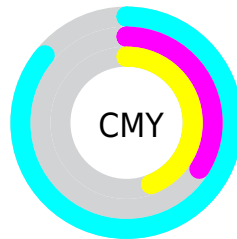
- Red (14%)
- Green (66%)
- Blue (56%)



- Red (14%)
- Yellow (43%)
- Blue (66%)



- Cyan (79%)
- Magenta (0%)
- Yellow (15%)
- Black (34%)





- Cyan (86%)
- Magenta (34%)
- Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.3333, 0.2441, 0.3775 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 30.3333, 0.2441, 0.3775 by changing the saturation by 10% instead.

 30.3333, 0.2441,
0.3775


 30.3333, 0.2441,
0.3775


303.4550, 0.2808,
0.3511


 20.0917, 0.2341,
0.3849


 60.1889, 0.2580,
0.3674


 12.4617, 0.2208,
0.3948


 80.5716, 0.2631,
0.3637


 7.0590, 0.2021,
0.4090


 105.1036, 0.2673,
0.3607

 3.4990, 0.1745,
0.4308

 134.1691, 0.2709,
0.3582

 1.3975, 0.0936,
0.4875

 168.1527, 0.2739,
0.3560

 0.2149, 0.0000,
1.0000

207.4385, 0.2765,

 0.0000, 0.0000,

0.3542

0.0000

252.4112, 0.2788,
0.3526

■ 30.3333, 0.2441,
0.3775

■ 30.3333, 0.2441,
0.3775

■ 30.0010, 0.2425,
0.3846

■ 30.8128, 0.2476,
0.3704

■ 29.7805, 0.2424,
0.3916

■ 31.4537, 0.2531,
0.3634

■ 29.7504, 0.2424,
0.3927

■ 32.2720, 0.2603,
0.3567

■ 33.2812, 0.2690,
0.3502

■ 34.4933, 0.2791,
0.3441

■ 35.9192, 0.2902,
0.3383

■ 37.5693, 0.3022,
0.3331

■ 39.4530, 0.3146,
0.3283

■ 41.5795, 0.3273,
0.3240

Harmonies

Analogous

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



30.3333, 0.3012, 0.4332



30.3333, 0.2441, 0.3775



30.3333, 0.2076, 0.3097

Triad

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



30.3333, 0.2441, 0.3775



30.3333, 0.2531, 0.2295



30.3333, 0.4427, 0.3806

Complementary

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



30.3333, 0.2441, 0.3775



9.9420, 0.5324, 0.2998

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.



30.3333, 0.4297, 0.3307



30.3333, 0.2441, 0.3775



30.3333, 0.3135, 0.2485

Square

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



30.3333, 0.2441, 0.3775



30.3333, 0.2130, 0.2315



30.3333, 0.3802, 0.2843



30.3333, 0.4172, 0.4249

Rectangle

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



30.3333, 0.2441, 0.3775



30.3333, 0.1978, 0.2724



30.3333, 0.3802, 0.2843



30.3333, 0.4429, 0.3641

Sweetspot

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



30.3345, 0.2441, 0.3775



63.5985, 0.2835, 0.3417



29.1729, 0.3145, 0.5615



13.6768, 0.2798, 0.3437



84.8088, 0.3127, 0.3290



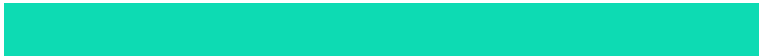
15.4872, 0.3127, 0.3290

Same Dimension

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



30.3345, 0.2441, 0.3775



54.1466, 0.2424, 0.3897



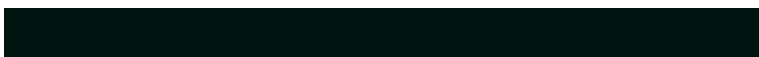
18.7552, 0.2100, 0.2529



8.5063, 0.3012, 0.3335



22.4738, 0.2422, 0.3920



0.5531, 0.2358, 0.3687

Inverse Universe

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



9.9420, 0.5324, 0.2998



15.6632, 0.5942, 0.3091



13.5768, 0.5301, 0.3782



7.5656, 0.3256, 0.3246



6.3761, 0.6045, 0.3104



0.1618, 0.5221, 0.2650

Previews

White Background



This preview shows how the Yxy color 30.3333, 0.2441, 0.3775 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 30.3333, 0.2441, 0.3775 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

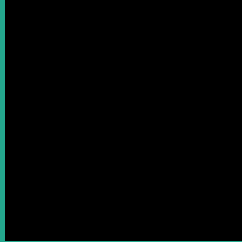
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 30.3333, 0.2441, 0.3775

Background



This preview shows how black text looks on a background with the Yxy color 30.3333, 0.2441, 0.3775.



This preview shows how white text looks on a background with the Yxy color 30.3333, 0.2441, 0.3775.

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

30.3333, 0.2441, 0.3775

Protanopia

29.7871, 0.3369, 0.3558

Deuteranopia

29.8396, 0.3300, 0.3245



Tritanopia

30.2285, 0.2300, 0.3065

Trichromacy



Original Color

30.3333, 0.2441, 0.3775



Protanomaly

28.6367, 0.2896, 0.3640



Deuteranomaly

28.6087, 0.2855, 0.3426



Tritanomaly

30.2687, 0.2345, 0.3305

Monochromacy



Original Color

30.3333, 0.2441, 0.3775



Achromatopsia

20.8637, 0.3127, 0.3290



Achromatomaly

23.0429, 0.2735, 0.3462

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.3333, 0.2441, 0.3775 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(36, 168, 142)` looks like.

```
.text, #text, p{  
    color:rgb(36, 168, 142)  
}
```

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(36, 168, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(36, 168, 142) }
```

Border

The CSS property to change the border of an element to Yxy 30.3333, 0.2441, 0.3775 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(36, 168, 142) }
```

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

```
.border{ border-color:rgb(36, 168, 142) }
```

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

Here you see how a box with a 4 pixel `rgb(36, 168, 142)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(36, 168, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(36, 168, 142);  
box-shadow:4px 4px 4px 4px rgb(36, 168,  
142) }
```


Background

The CSS property to change the background color of an element to Yxy 30.3333, 0.2441, 0.3775 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(36, 168, 142) }
```

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

```
.background{ background-color: rgb(36, 168,  
142) }
```

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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