

Converting Colors

$Y_{xy}(30.7192, 0.2730, 0.4018)$

Have a look what the booklet for
Yxy(30.7192, 0.2730, 0.4018)
contains.

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Color

Yxy(30.8752, 0.2730, 0.4022)

Conversions

Conversions Part 1

Format	Color
Hex	50A77F
RGB	80, 167, 127
RGB Percent	31%, 65%, 50%
CMY	0.6863, 0.3451, 0.5020
CMYK	0.52, 0.00, 0.24, 0.35
HSL	152°, 35%, 48%
HSV	152°, 52%, 65%
XYZ	20.9571, 30.8752, 24.9335
YIQ	136.4270, -39.0120, -30.8840

Conversions

Conversions Part 2

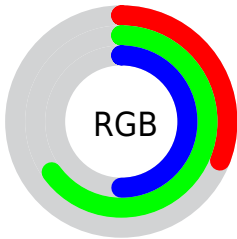
Format	Color
RYB	80, 136, 167
Decimal	5285759
CIELab	62.40, -35.88, 12.82
CIELCh	62, 38.096, 160.340
Yxy	30.8752, 0.2730, 0.4022
Android (android.graphics.Color)	4283475839 (0xFF50A77F)
YUV	136.4270, -4.6475, -49.4865
Hunter-Lab	55.5655, -29.9165, 12.2910

Details

The Yxy color **30.8752, 0.2730, 0.4022** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **15.3080, 0.3890, 0.2683**, and the grayscale version is **24.8176, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.2215, 0.2815, 0.3863**, and **12.7039, 0.2577, 0.4294** is the 20% darker color. If you saturate the color by 10%, you get **30.0451, 0.2686, 0.4195**, and if you desaturate by 10%, it is **31.9037, 0.2789, 0.3857**.

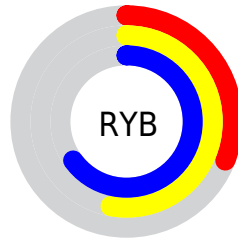
Distribution



Red (31%)

Green (65%)

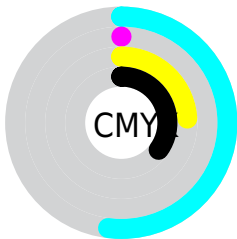
Blue (50%)



Red (31%)

Yellow (53%)

Blue (65%)

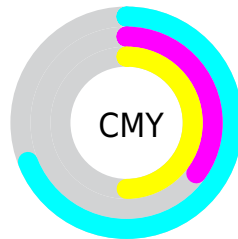


Cyan (52%)

Magenta (0%)

Yellow (24%)

Black (35%)



Cyan (69%)


Magenta (35%)

Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 30.8752, 0.2730, 0.4022 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 30.8752, 0.2730, 0.4022 by changing the saturation by 10% instead.


 30.8752, 0.2730,
0.4022


 30.8752, 0.2730,
0.4022


305.9630, 0.2950,
0.3614

 20.5038, 0.2667,
0.4141


 61.0435, 0.2816,
0.3862


 12.7618, 0.2580,
0.4305


 81.6093, 0.2846,
0.3806

 7.2647, 0.2453,
0.4546


 106.3420, 0.2871,
0.3759

 3.6282, 0.2252,
0.4932

 135.6260, 0.2892,
0.3720

 1.4678, 0.1720,
0.5881

 169.8457, 0.2910,
0.3688

 0.2659, 0.0000,
1.0000

209.3855, 0.2925,

 0.0000, 0.0000,

0.3659

0.0000

254.6298, 0.2938,
0.3635

■ 30.8752, 0.2730,
0.4022

■ 30.8752, 0.2730,
0.4022

■ 30.0451, 0.2686,
0.4195

■ 31.9037, 0.2789,
0.3857

■ 29.3956, 0.2659,
0.4372

■ 33.1395, 0.2859,
0.3702

■ 28.9122, 0.2652,
0.4550

■ 34.5953, 0.2937,
0.3560

■ 28.5759, 0.2664,
0.4724

■ 36.2817, 0.3022,
0.3430

■ 28.3810, 0.2683,
0.4857

■ 38.2086, 0.3109,
0.3313

■ 40.3854, 0.3197,
0.3209

■ 42.8209, 0.3284,
0.3116

■ 45.5234, 0.3370,
0.3035

■ 48.5011, 0.3453,
0.2963

Harmonies

Analogous

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



30.8752, 0.3315, 0.4378



30.8752, 0.2730, 0.4022



30.8752, 0.2279, 0.3412

Triad

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



30.8752, 0.2730, 0.4022



30.8752, 0.2359, 0.2337



30.8752, 0.4328, 0.3556

Complementary

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



30.8752, 0.2730, 0.4022



15.3080, 0.3890, 0.2683

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.



30.8752, 0.4028, 0.3091



30.8752, 0.2730, 0.4022



30.8752, 0.2846, 0.2424

Square

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



30.8752, 0.2730, 0.4022



30.8752, 0.2089, 0.2468



30.8752, 0.3463, 0.2692



30.8752, 0.4261, 0.4009

Rectangle

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



30.8752, 0.2730, 0.4022



30.8752, 0.2104, 0.3010



30.8752, 0.3463, 0.2692



30.8752, 0.4267, 0.3398

Sweetspot

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



30.8764, 0.2730, 0.4022



63.6585, 0.2986, 0.3483



32.2540, 0.3399, 0.4747



14.1128, 0.2969, 0.3508



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.



30.8764, 0.2730, 0.4022



53.5432, 0.2679, 0.4231



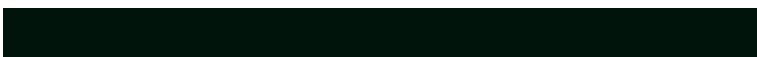
31.0834, 0.2456, 0.3239



8.4730, 0.3046, 0.3396



21.7262, 0.2678, 0.4841



0.5388, 0.2520, 0.4272

Inverse Universe

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



15.3080, 0.3890, 0.2683



22.4622, 0.4170, 0.2575



14.9650, 0.4566, 0.3338



7.5975, 0.3217, 0.3187



6.7039, 0.5090, 0.2578



0.1735, 0.4318, 0.2153

Previews

White Background



This preview shows how the Yxy color 30.8752, 0.2730, 0.4022 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 30.8752, 0.2730, 0.4022 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

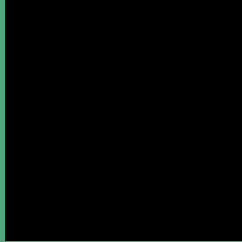
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 30.8752, 0.2730, 0.4022

Background



This preview shows how black text looks on a background with the Yxy color 30.8752, 0.2730, 0.4022.



This preview shows how white text looks on a background with the Yxy color 30.8752, 0.2730, 0.4022.

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

30.8752, 0.2730, 0.4022

Protanopia

30.5155, 0.3528, 0.3773

Deuteranopia

30.2704, 0.3545, 0.3470



Tritanopia

30.8729, 0.2478, 0.3073

Trichromacy



Original Color

30.8752, 0.2730, 0.4022

Protanomaly

29.9279, 0.3178, 0.3865

Deuteranomaly

29.4715, 0.3191, 0.3654

Tritanomaly

30.7034, 0.2564, 0.3392

Monochromacy



Original Color

30.8752, 0.2730, 0.4022

Achromatopsia

24.6201, 0.3127, 0.3290

Achromatomaly

26.2739, 0.2945, 0.3538

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.8752, 0.2730, 0.4022 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(80, 167, 127)` looks like.

```
.text, #text, p{  
    color:rgb(80, 167, 127)  
}
```

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(80, 167, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 167, 127) }
```

Border

The CSS property to change the border of an element to Yxy 30.8752, 0.2730, 0.4022 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(80, 167, 127) }
```

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

```
.border{ border-color:rgb(80, 167, 127) }
```

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

Here you see how a box with a 4 pixel `rgb(80, 167, 127)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 167, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 167, 127);  
box-shadow:4px 4px 4px 4px rgb(80, 167,  
127) }
```


Background

The CSS property to change the background color of an element to Yxy 30.8752, 0.2730, 0.4022 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 167, 127) }
```

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

```
.background{ background-color: rgb(80, 167,  
127) }
```

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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