

Converting Colors

$Y_{xy}(32.6089, 0.2822, 0.4051)$

Have a look what the booklet for
Yxy(32.6089, 0.2822, 0.4051)
contains.

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Color

Yxy(32.6089, 0.2822, 0.4051)

Conversions

Conversions Part 1

Format	Color
Hex	5DAA7F
RGB	93, 170, 127
RGB Percent	36%, 67%, 50%
CMY	0.6354, 0.3333, 0.5020
CMYK	0.45, 0.00, 0.25, 0.33
HSL	146°, 31%, 52%
HSV	146°, 45%, 67%
XYZ	22.7160, 32.6089, 25.1711
YIQ	142.0750, -32.0890, -29.6970

Conversions

Conversions Part 2

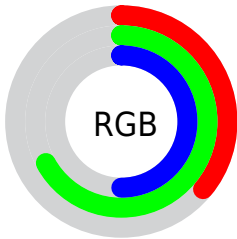
Format	Color
RYB	93, 146, 170
Decimal	6138495
CIELab	63.84, -33.86, 14.91
CIElCh	64, 37.000, 156.230
Yxy	32.6089, 0.2822, 0.4051
Android (android.graphics.Color)	4284328575 (0xFF5DAA7F)
YUV	142.0750, -7.4320, -43.0388
Hunter-Lab	57.1042, -28.9254, 13.8384

Details

The Yxy color **32.6089, 0.2822, 0.4051** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **18.1461, 0.3637, 0.2647**, and the grayscale version is **27.1176, 0.3127, 0.3290**.

A 20% lighter version of the original color is **63.8910, 0.2888, 0.3887**, and **13.6847, 0.2700, 0.4328** is the 20% darker color. If you saturate the color by 10%, you get **31.5840, 0.2777, 0.4258**, and if you desaturate by 10%, it is **33.8570, 0.2879, 0.3856**.

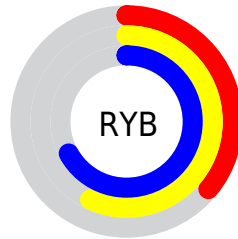
Distribution



Red (36%)

Green (67%)

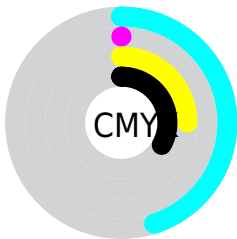
Blue (50%)



Red (36%)

Yellow (57%)

Blue (67%)

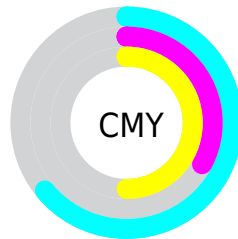


Cyan (45%)

Magenta (0%)

Yellow (25%)

Black (33%)



Cyan (64%)


Magenta (33%)


Yellow (50%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 32.6089, 0.2822, 0.4051 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 32.6089, 0.2822, 0.4051 by changing the saturation by 10% instead.


 32.6089, 0.2822,
0.4051


 32.6089, 0.2822,
0.4051


313.8837, 0.2993,
0.3629


 21.8270, 0.2772,
0.4172


 63.7644, 0.2889,
0.3887


 13.7298, 0.2704,
0.4339


 84.9069, 0.2913,
0.3828

 7.9330, 0.2603,
0.4581


 110.2716, 0.2932,
0.3780

 4.0521, 0.2442,
0.4964

 140.2431, 0.2948,
0.3740

 1.7028, 0.2129,
0.5755

175.2056, 0.2962,
0.3706

 0.4254, 0.0000,
1.0000

215.5436, 0.2973,

 0.0000, 0.0000,

0.3677

0.0000

261.6415, 0.2984,
0.3652

■ 32.6089, 0.2822,
0.4051

■ 32.6089, 0.2822,
0.4051

■ 31.5840, 0.2777,
0.4258

■ 33.8570, 0.2879,
0.3856

■ 30.7644, 0.2746,
0.4473

■ 35.3368, 0.2944,
0.3675

■ 30.1360, 0.2732,
0.4689

■ 37.0614, 0.3015,
0.3510

■ 29.6808, 0.2737,
0.4900


■ 39.0417, 0.3088,
0.3362


■ 29.3766, 0.2761,
0.5099


■ 41.2877, 0.3162,
0.3230

 29.2622, 0.2774,
0.5188

 43.8092, 0.3235,
0.3114

 46.6152, 0.3307,
0.3011

 49.7145, 0.3376,
0.2921

 53.1153, 0.3442,
0.2843

Harmonies

Analogous

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



32.6089, 0.3388, 0.4341



32.6089, 0.2822, 0.4051



32.6089, 0.2364, 0.3492

Triad

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



32.6089, 0.2822, 0.4051



32.6089, 0.2343, 0.2381



32.6089, 0.4253, 0.3487

Complementary

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



32.6089, 0.2822, 0.4051



18.1461, 0.3637, 0.2647

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.



32.6089, 0.3923, 0.3044



32.6089, 0.2822, 0.4051



32.6089, 0.2785, 0.2436

Square

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



32.6089, 0.2822, 0.4051



32.6089, 0.2113, 0.2539



32.6089, 0.3366, 0.2672



32.6089, 0.4239, 0.3927

Rectangle

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



32.6089, 0.2822, 0.4051



32.6089, 0.2173, 0.3100



32.6089, 0.3366, 0.2672



32.6089, 0.4179, 0.3336

Sweetspot

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



32.6102, 0.2822, 0.4051



67.5962, 0.3022, 0.3494



34.8292, 0.3451, 0.4517



14.9167, 0.3007, 0.3527



86.8899, 0.3127, 0.3290



16.2647, 0.3127, 0.3290

Same Dimension

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



32.6102, 0.2822, 0.4051



57.3558, 0.2778, 0.4251



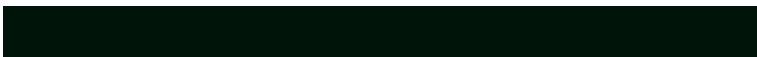
33.7902, 0.2562, 0.3374



8.4607, 0.3059, 0.3419



21.5338, 0.2769, 0.5168



0.5343, 0.2584, 0.4503

Inverse Universe

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



18.1461, 0.3637, 0.2647



27.8811, 0.3798, 0.2522



17.2527, 0.4230, 0.3215



7.6098, 0.3202, 0.3165



6.9047, 0.4681, 0.2352



0.1780, 0.4077, 0.2020

Previews

White Background



This preview shows how the Yxy color 32.6089, 0.2822, 0.4051 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 32.6089, 0.2822, 0.4051 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

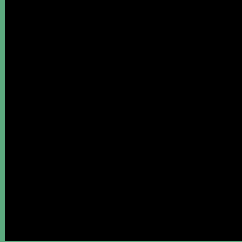
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 32.6089, 0.2822, 0.4051

Background



This preview shows how black text looks on a background with the Yxy color 32.6089, 0.2822, 0.4051.



This preview shows how white text looks on a background with the Yxy color 32.6089, 0.2822, 0.4051.

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

32.6089, 0.2822, 0.4051

Protanopia

32.3356, 0.3568, 0.3821

Deuteranopia

32.1929, 0.3598, 0.3523



Tritanopia

32.3720, 0.2542, 0.3064

Trichromacy



Original Color

32.6089, 0.2822, 0.4051

Protanomaly

31.9500, 0.3252, 0.3911

Deuteranomaly

31.4996, 0.3267, 0.3706

Tritanomaly

32.5423, 0.2644, 0.3406

Monochromacy



Original Color

32.6089, 0.2822, 0.4051

Achromatopsia

27.0498, 0.3127, 0.3290

Achromatomaly

28.5477, 0.2988, 0.3546

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.6089, 0.2822, 0.4051 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(93, 170, 127)` looks like.

```
.text, #text, p{  
    color:rgb(93, 170, 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(93, 170, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(93, 170, 127) }
```

Border

The CSS property to change the border of an element to Yxy 32.6089, 0.2822, 0.4051 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(93, 170, 127) }
```

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

```
.border{ border-color:rgb(93, 170, 127) }
```

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

Here you see how a box with a 4 pixel rgb(93, 170, 127) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(93, 170, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(93, 170, 127);  
box-shadow:4px 4px 4px 4px rgb(93, 170,  
127) }
```


Background

The CSS property to change the background color of an element to Yxy 32.6089, 0.2822, 0.4051 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(93, 170, 127) }
```

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

```
.background{ background-color: rgb(93, 170,  
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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