

Converting Colors

$Yxy(44.6638, 0.2783, 0.3993)$

Have a look what the booklet for
Yxy(44.6638, 0.2783, 0.3993)
contains.

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Color

Yxy(44.7175, 0.2778, 0.3988)

Conversions

Conversions Part 1

Format	Color
Hex	69C497
RGB	105, 196, 151
RGB Percent	41%, 77%, 59%
CMY	0.5883, 0.2313, 0.4079
CMYK	0.46, 0.00, 0.23, 0.23
HSL	150°, 44%, 59%
HSV	150°, 46%, 77%
XYZ	31.1498, 44.7175, 36.2629
YIQ	163.6610, -39.7910, -33.2870

Conversions

Conversions Part 2

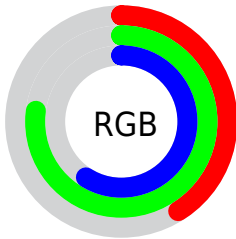
Format	Color
RYB	105, 165, 196
Decimal	6931607
CIELab	72.71, -37.62, 14.31
CIELCh	73, 40.253, 159.178
Yxy	44.7175, 0.2778, 0.3988
Android (android.graphics.Color)	4285121687 (0xFF69C497)
YUV	163.6610, -6.2419, -51.4457
Hunter-Lab	66.8711, -33.8761, 14.6580

Details

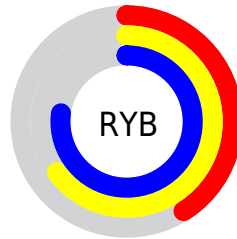
The Yxy color $44.7175, 0.2778, 0.3988$ is a light color, and the websafe version is hex $66CC99$. A complement of this color would be $24.0399, 0.3740, 0.2698$, and the grayscale version is $36.9985, 0.3127, 0.3290$.

A 20% lighter version of the original color is $82.2354, 0.2850, 0.3852$, and $20.8945, 0.2666, 0.4223$ is the 20% darker color. If you saturate the color by 10%, you get $43.3641, 0.2729, 0.4173$, and if you desaturate by 10%, it is $46.3739, 0.2840, 0.3813$.

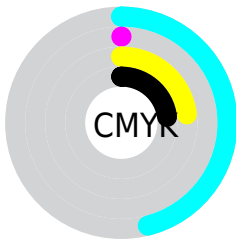
Distribution



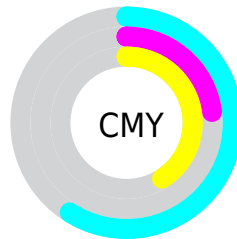
- Red (41%)
- Green (77%)
- Blue (59%)



- Red (41%)
- Yellow (65%)
- Blue (77%)



- Cyan (46%)
- Magenta (0%)
- Yellow (23%)
- Black (23%)





- Cyan (59%)
- Magenta (23%)
- Yellow (41%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 44.7175, 0.2778, 0.3988 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 44.7175, 0.2778, 0.3988 by changing the saturation by 10% instead.

 44.7175, 0.2778,
0.3988


 44.7175, 0.2778,
0.3988


365.6282, 0.2961,
0.3621

 31.2350, 0.2729,
0.4086


 82.2963, 0.2847,
0.3850


 20.7778, 0.2665,
0.4215


 107.1614, 0.2872,
0.3800

 12.9617, 0.2577,
0.4394


 136.5895, 0.2893,
0.3757

 7.4022, 0.2448,
0.4657

 170.9649, 0.2911,
0.3722

 3.7149, 0.2242,
0.5078

210.6721, 0.2926,
0.3691

 1.5154, 0.1698,
0.6148

256.0955, 0.2939,

 0.2995, 0.0000,

0.3664

1.0000

307.6194, 0.2951,
0.3641

0.0000, 0.0000,
0.0000

44.7175, 0.2778,
0.3988

44.7175, 0.2778,
0.3988

43.3641, 0.2729,
0.4173

46.3739, 0.2840,
0.3813

42.2886, 0.2695,
0.4365

48.3458, 0.2912,
0.3651

41.4707, 0.2681,
0.4559


50.6513, 0.2991,
0.3502


40.8847, 0.2686,
0.4750

53.3056, 0.3073,
0.3369

40.4973, 0.2710,
0.4933

56.3232, 0.3157,
0.3249

 40.3847, 0.2721,
0.4996

 59.7173, 0.3241,
0.3143

 63.5008, 0.3323,
0.3050

 66.3744, 0.3350,
0.2962

 66.9297, 0.3276,
0.2868

Harmonies

Analogous

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



44.7175, 0.3329, 0.4306



44.7175, 0.2778, 0.3988



44.7175, 0.2345, 0.3430

Triad

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



44.7175, 0.2778, 0.3988



44.7175, 0.2392, 0.2394



44.7175, 0.4244, 0.3529

Complementary

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



44.7175, 0.2778, 0.3988



24.0399, 0.3740, 0.2698

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.



44.7175, 0.3951, 0.3090



44.7175, 0.2778, 0.3988



44.7175, 0.2844, 0.2467

Square

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



44.7175, 0.2778, 0.3988



44.7175, 0.2144, 0.2529



44.7175, 0.3420, 0.2715



44.7175, 0.4198, 0.3956

Rectangle

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



44.7175, 0.2778, 0.3988



44.7175, 0.2173, 0.3053



44.7175, 0.3420, 0.2715



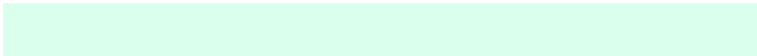
44.7175, 0.4182, 0.3380

Sweetspot

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



44.7193, 0.2778, 0.3988



92.7611, 0.3009, 0.3471



47.0337, 0.3408, 0.4585



19.6409, 0.2991, 0.3502



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



44.7193, 0.2778, 0.3988



78.4542, 0.2727, 0.4182



46.4711, 0.2514, 0.3288



11.3419, 0.3049, 0.3406



25.9646, 0.2714, 0.4971



1.1358, 0.2601, 0.4564

Inverse Universe

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



24.0399, 0.3740, 0.2698



36.3043, 0.3951, 0.2581



22.8574, 0.4376, 0.3294



10.1591, 0.3213, 0.3177



8.1119, 0.4960, 0.2506



0.3644, 0.4467, 0.2235

Previews

White Background



This preview shows how the Yxy color 44.7175, 0.2778, 0.3988 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 44.7175, 0.2778, 0.3988 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 44.7175, 0.2778, 0.3988

Background



This preview shows how black text looks on a background with the Yxy color 44.7175, 0.2778, 0.3988.



This preview shows how white text looks on a background with the Yxy color 44.7175, 0.2778, 0.3988.

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

44.7175, 0.2778, 0.3988

Protanopia

44.0886, 0.3523, 0.3757

Deuteranopia

44.0827, 0.3548, 0.3482



Tritanopia

44.6768, 0.2528, 0.3077

Trichromacy



Original Color

44.7175, 0.2778, 0.3988



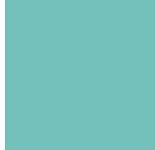
Protanomaly

43.5944, 0.3210, 0.3850



Deuteranomaly

43.1911, 0.3223, 0.3655



Tritanomaly

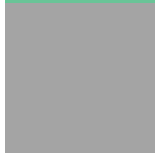
44.7795, 0.2616, 0.3391

Monochromacy



Original Color

44.7175, 0.2778, 0.3988



Achromatopsia

37.1238, 0.3127, 0.3290



Achromatomaly

39.3935, 0.2979, 0.3544

CSS Examples

Text

The CSS property to change the color of the text to Yxy 44.7175, 0.2778, 0.3988 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(105, 196, 151)` looks like.

```
.text, #text, p{  
    color:rgb(105, 196, 151)  
}
```

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(105, 196, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 196, 151) }
```

Border

The CSS property to change the border of an element to Yxy 44.7175, 0.2778, 0.3988 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(105, 196, 151) }
```

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

```
.border{ border-color:rgb(105, 196, 151) }
```

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

Here you see how a box with a 4 pixel `rgb(105, 196, 151)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(105, 196, 151); -webkit-box-shadow:4px 4px 4px 4px rgb(105, 196, 151); box-shadow:4px 4px 4px 4px rgb(105, 196, 151) }
```


Background

The CSS property to change the background color of an element to Yxy 44.7175, 0.2778, 0.3988 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(105, 196, 151) }
```

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

```
.background{ background-color: rgb(105,  
196, 151) }
```

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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