

Converting Colors

$Yxy(55.2728, 0.2792, 0.3817)$

Have a look what the booklet for
Yxy(55.2728, 0.2792, 0.3817)
contains.

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Color

Yxy(55.2728, 0.2792, 0.3817)

Conversions

Conversions Part 1

Format	Color
Hex	80D5AF
RGB	128, 213, 175
RGB Percent	50%, 84%, 69%
CMY	0.4982, 0.1647, 0.3137
CMYK	0.40, 0.00, 0.18, 0.16
HSL	153°, 50%, 67%
HSV	153°, 40%, 84%
XYZ	40.4301, 55.2728, 49.1040
YIQ	183.2530, -38.4620, -29.8380

Conversions

Conversions Part 2

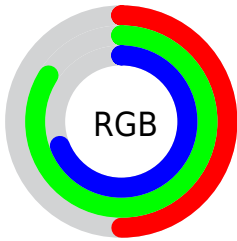
Format	Color
RYB	128, 183, 213
Decimal	8443311
CIELab	79.20, -34.30, 10.76
CIElCh	79, 35.953, 162.583
Yxy	55.2728, 0.2792, 0.3817
Android (android.graphics.Color)	4286633391 (0xFF80D5AF)
YUV	183.2530, -4.0687, -48.4569
Hunter-Lab	74.3457, -33.0345, 12.8820

Details

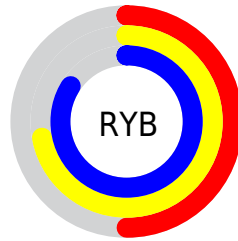
The Yxy color **55.2728, 0.2792, 0.3817** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **32.3250, 0.3673, 0.2825**, and the grayscale version is **47.5345, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.4799, 0.2841, 0.3553**, and **27.3002, 0.2693, 0.3963** is the 20% darker color. If you saturate the color by 10%, you get **53.4329, 0.2729, 0.3978**, and if you desaturate by 10%, it is **57.4902, 0.2866, 0.3666**.

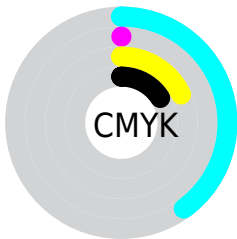
Distribution



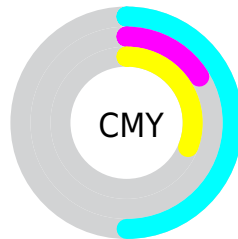
- Red (50%)
- Green (84%)
- Blue (69%)



- Red (50%)
- Yellow (72%)
- Blue (84%)



- Cyan (40%)
- Magenta (0%)
- Yellow (18%)
- Black (16%)





- Cyan (50%)
- Magenta (16%)
- Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 55.2728, 0.2792, 0.3817 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 55.2728, 0.2792, 0.3817 by changing the saturation by 10% instead.


 55.2728, 0.2792,
0.3817


 55.2728, 0.2792,
0.3817


406.9452, 0.2959,
0.3552

 39.6202, 0.2751,
0.3884

 97.9405, 0.2853,
0.3720

 27.2425, 0.2697,
0.3970


 125.7244, 0.2875,
0.3684

 17.7555, 0.2627,
0.4085

 158.3209, 0.2895,
0.3653

 10.7746, 0.2529,
0.4246

196.1143, 0.2911,
0.3627

 5.9155, 0.2385,
0.4487

239.4890, 0.2926,
0.3605

 2.7937, 0.2152,
0.4886

288.8295, 0.2938,

 1.0250, 0.0863,

0.3585

0.6780

344.5201, 0.2949,
0.3567

0.0000, 0.0000,
0.0000

55.2728, 0.2792,
0.3817

55.2728, 0.2792,
0.3817

53.4329, 0.2729,
0.3978

57.4902, 0.2866,
0.3666

51.9413, 0.2681,
0.4148

60.0988, 0.2949,
0.3528

50.7754, 0.2651,
0.4323


63.1200, 0.3037,
0.3402

49.9068, 0.2641,
0.4498


66.5712, 0.3128,
0.3289


49.3019, 0.2650,
0.4671

70.4694, 0.3219,
0.3189

 48.9009, 0.2677,
0.4837

 74.6857, 0.3304,
0.3100

 48.8984, 0.2677,
0.4838

 75.2415, 0.3238,
0.3007

 75.8270, 0.3172,
0.2917

 76.0736, 0.3146,
0.2881

Harmonies

Analogous

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



55.2728, 0.3251, 0.4109



55.2728, 0.2792, 0.3817



55.2728, 0.2440, 0.3357

Triad

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



55.2728, 0.2792, 0.3817



55.2728, 0.2545, 0.2530



55.2728, 0.4067, 0.3547

Complementary

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



55.2728, 0.2792, 0.3817



32.3250, 0.3673, 0.2825

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.



55.2728, 0.3852, 0.3169



55.2728, 0.2792, 0.3817



55.2728, 0.2946, 0.2608

Square

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



55.2728, 0.2792, 0.3817



55.2728, 0.2308, 0.2630



55.2728, 0.3429, 0.2836



55.2728, 0.4003, 0.3897

Rectangle

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



55.2728, 0.2792, 0.3817



55.2728, 0.2305, 0.3052



55.2728, 0.3429, 0.2836



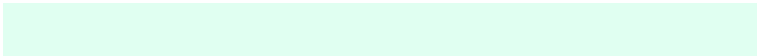
55.2728, 0.4025, 0.3420

Sweetspot

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



55.2751, 0.2792, 0.3817



93.8020, 0.3017, 0.3429



57.2826, 0.3345, 0.4409



19.9454, 0.3006, 0.3445



0.0000, 0.0000, 0.0000



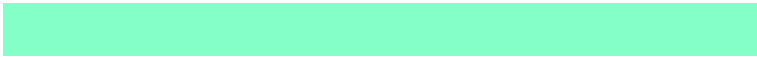
21.4041, 0.3127, 0.3290

Same Dimension

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



55.2751, 0.2792, 0.3817



80.6596, 0.2737, 0.3955



54.8721, 0.2571, 0.3232



14.0099, 0.3042, 0.3396



29.8870, 0.2671, 0.4814



1.8192, 0.2590, 0.4525

Inverse Universe

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



32.3250, 0.3673, 0.2825



41.5252, 0.3849, 0.2728



32.2635, 0.4108, 0.3346



12.5121, 0.3222, 0.3186



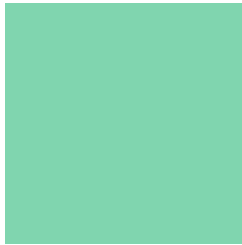
9.1672, 0.5171, 0.2623



0.5695, 0.4747, 0.2389

Previews

White Background



This preview shows how the Yxy color 55.2728, 0.2792, 0.3817 looks on a white background.

Color Contrast Check

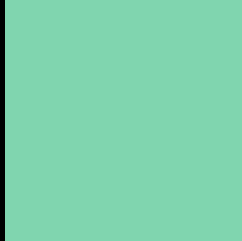
Large Text (above 18pt) WCAG AA × Fail

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 55.2728, 0.2792, 0.3817 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

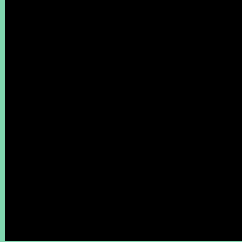
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 55.2728, 0.2792, 0.3817

Background



This preview shows how black text looks on a background with the Yxy color 55.2728, 0.2792, 0.3817.



This preview shows how white text looks on a background with the Yxy color 55.2728, 0.2792, 0.3817.

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

55.2728, 0.2792, 0.3817

Protanopia

54.7625, 0.3432, 0.3644

Deuteranopia

54.3218, 0.3454, 0.3385



Tritanopia

54.9593, 0.2572, 0.3071

Trichromacy



Original Color

55.2728, 0.2792, 0.3817



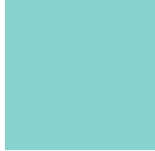
Protanomaly

54.4527, 0.3169, 0.3718



Deuteranomaly

53.5860, 0.3180, 0.3531



Tritanomaly

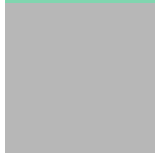
55.2081, 0.2649, 0.3328

Monochromacy



Original Color

55.2728, 0.2792, 0.3817



Achromatopsia

47.3531, 0.3127, 0.3290



Achromatomaly

49.6654, 0.2985, 0.3478

CSS Examples

Text

The CSS property to change the color of the text to Yxy 55.2728, 0.2792, 0.3817 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(128, 213, 175)` looks like.

```
.text, #text, p{  
    color:rgb(128, 213, 175)  
}
```

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(128, 213, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 213, 175) }
```

Border

The CSS property to change the border of an element to Yxy 55.2728, 0.2792, 0.3817 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(128, 213, 175) }
```

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

```
.border{ border-color:rgb(128, 213, 175) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 213, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 213, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 213, 175);  
box-shadow:4px 4px 4px 4px rgb(128, 213,  
175) }
```


Background

The CSS property to change the background color of an element to Yxy 55.2728, 0.2792, 0.3817 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 213, 175) }
```

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

```
.background{ background-color: rgb(128,  
213, 175) }
```

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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