

Converting Colors

$Y_{xy}(41.8744, 0.2714, 0.4795)$

Have a look what the booklet for
Yxy(41.8744, 0.2714, 0.4795)
contains.

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Color

Yxy(41.8759, 0.2712, 0.4787)

Conversions

Conversions Part 1

Format	Color
Hex	22C66F
RGB	34, 198, 111
RGB Percent	13%, 78%, 44%
CMY	0.8666, 0.2235, 0.5646
CMYK	0.83, 0.00, 0.44, 0.22
HSL	148°, 71%, 45%
HSV	148°, 83%, 78%
XYZ	23.7241, 41.8759, 21.8783
YIQ	139.0460, -69.8170, -61.8250

Conversions

Conversions Part 2

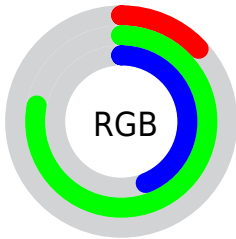
Format	Color
RYB	34, 146, 198
Decimal	2279023
CIELab	70.79, -59.26, 32.49
CIELCh	71, 67.581, 151.268
Yxy	41.8759, 0.2712, 0.4787
Android (android.graphics.Color)	4280469103 (0xFF22C66F)
YUV	139.0460, -13.8267, -92.1253
Hunter-Lab	64.7116, -47.8048, 25.2528

Details

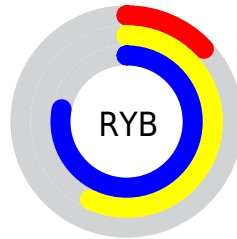
The Yxy color **41.8759, 0.2712, 0.4787** is a dark color, and the websafe version is hex **33CC66**. The color can be described as dark muted spring green. A complement of this color would be **14.5306, 0.4456, 0.2371**, and the grayscale version is **25.9141, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.4515, 0.2807, 0.4458**, and **19.9818, 0.2780, 0.5210** is the 20% darker color. If you saturate the color by 10%, you get **41.4144, 0.2732, 0.4983**, and if you desaturate by 10%, it is **42.5615, 0.2712, 0.4582**.

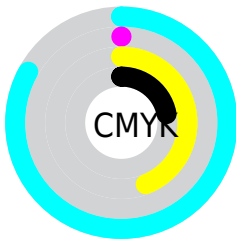
Distribution



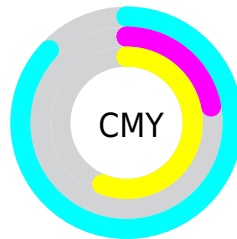
- Red (13%)
- Green (78%)
- Blue (44%)



- Red (13%)
- Yellow (57%)
- Blue (78%)



- Cyan (83%)
- Magenta (0%)
- Yellow (44%)
- Black (22%)



- Cyan (87%)
- Magenta (22%)
- Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 41.8759, 0.2712, 0.4787 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 41.8759, 0.2712, 0.4787 by changing the saturation by 10% instead.


 41.8759, 0.2712,
0.4787

 41.8759, 0.2712,
0.4787


353.9682, 0.2956,
0.3965

 29.0041, 0.2638,
0.5016


 78.0118, 0.2810,
0.4471

 19.0839, 0.2534,
0.5322


 102.0447, 0.2844,
0.4357


 11.7310, 0.2380,
0.5752


 130.5667, 0.2872,
0.4263

 6.5608, 0.2136,
0.6383

 163.9623, 0.2895,
0.4185

 3.1890, 0.1778,
0.7659

 202.6159, 0.2914,
0.4117

 1.2312, 0.0000,
1.0000

246.9118, 0.2930,

 0.0869, 0.0000,

0.4060

1.0000

297.2344, 0.2944,
0.4009

■ 0.0000, 0.0000,
0.0000

■ 41.8759, 0.2712,
0.4787

■ 41.8759, 0.2712,
0.4787

■ 41.4144, 0.2732,
0.4983

■ 42.5615, 0.2712,
0.4582

■ 41.1792, 0.2755,
0.5117

■ 43.4962, 0.2730,
0.4373

■ 44.7066, 0.2767,
0.4169

■ 46.2146, 0.2818,
0.3972

■ 48.0398, 0.2880,
0.3788

■ 50.2001, 0.2951,
0.3618

■ 52.7120, 0.3027,
0.3464

■ 55.5909, 0.3105,
0.3326

■ 58.8511, 0.3184,
0.3203

Harmonies

Analogous

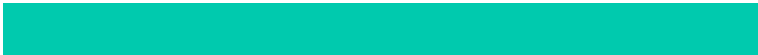
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



41.8759, 0.3610, 0.5104



41.8759, 0.2712, 0.4787



41.8759, 0.1977, 0.3781

Triad

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



41.8759, 0.2712, 0.4787



41.8759, 0.1818, 0.1890



41.8759, 0.4955, 0.3389

Complementary

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



41.8759, 0.2712, 0.4787



14.5306, 0.4456, 0.2371

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.



41.8759, 0.4320, 0.2762



41.8759, 0.2712, 0.4787



41.8759, 0.2418, 0.1944

Square

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



41.8759, 0.2712, 0.4787



41.8759, 0.1544, 0.2134



41.8759, 0.3327, 0.2252



41.8759, 0.4960, 0.4065

Rectangle

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



41.8759, 0.2712, 0.4787



41.8759, 0.1675, 0.3065



41.8759, 0.3327, 0.2252



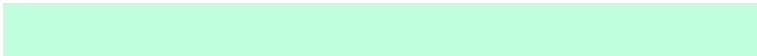
41.8759, 0.4809, 0.3172

Sweetspot

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



41.8776, 0.2712, 0.4787



87.8594, 0.2932, 0.3660



44.6037, 0.3482, 0.5462



18.5105, 0.2907, 0.3720



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.



41.8776, 0.2712, 0.4787



72.9197, 0.2758, 0.5124



44.5589, 0.2302, 0.3371



11.9694, 0.3053, 0.3415



26.7963, 0.2748, 0.5092



1.2834, 0.2637, 0.4692

Inverse Universe

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



14.5306, 0.4456, 0.2371



23.1054, 0.4848, 0.2449



13.3002, 0.5942, 0.3261



10.7294, 0.3208, 0.3168



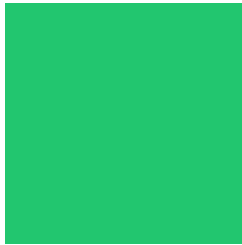
8.4885, 0.4812, 0.2425



0.4165, 0.4390, 0.2192

Previews

White Background



This preview shows how the Yxy color 41.8759, 0.2712, 0.4787 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 41.8759, 0.2712, 0.4787 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 41.8759, 0.2712, 0.4787

Background



This preview shows how black text looks on a background with the Yxy color 41.8759, 0.2712, 0.4787.



This preview shows how white text looks on a background with the Yxy color 41.8759, 0.2712, 0.4787.

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

41.8759, 0.2712, 0.4787

Protanopia

41.1360, 0.3892, 0.4231

Deuteranopia

40.8620, 0.3950, 0.3863



Tritanopia

41.5147, 0.2334, 0.3050

Trichromacy



Original Color

41.8759, 0.2712, 0.4787



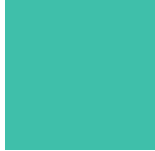
Protanomaly

38.9732, 0.3288, 0.4483



Deuteranomaly

38.1513, 0.3317, 0.4217



Tritanomaly

41.2206, 0.2458, 0.3626

Monochromacy



Original Color

41.8759, 0.2712, 0.4787



Achromatopsia

25.8183, 0.3127, 0.3290



Achromatomaly

29.4933, 0.2855, 0.3845

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.8759, 0.2712, 0.4787 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(34, 198, 111)` looks like.

```
.text, #text, p{  
    color:rgb(34, 198, 111)  
}
```

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(34, 198, 111) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(34, 198, 111) }
```

Border

The CSS property to change the border of an element to Yxy 41.8759, 0.2712, 0.4787 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(34, 198, 111) }
```

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

```
.border{ border-color:rgb(34, 198, 111) }
```

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

Here you see how a box with a 4 pixel `rgb(34, 198, 111)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(34, 198, 111); -webkit-box-shadow:4px 4px 4px 4px rgb(34, 198, 111); box-shadow:4px 4px 4px 4px rgb(34, 198, 111) }
```


Background

The CSS property to change the background color of an element to Yxy 41.8759, 0.2712, 0.4787 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(34, 198, 111) }
```

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

```
.background{ background-color: rgb(34, 198,  
111) }
```

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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