

Converting Colors

$Y_{xy}(40.1592, 0.2786, 0.4458)$

Have a look what the booklet for
Yxy(40.1592, 0.2786, 0.4458)
contains.

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Color

Yxy(40.2032, 0.2786, 0.4458)

Conversions

Conversions Part 1

Format	Color
Hex	4CBF7A
RGB	76, 191, 122
RGB Percent	30%, 75%, 48%
CMY	0.7020, 0.2510, 0.5215
CMYK	0.60, 0.00, 0.36, 0.25
HSL	144°, 47%, 52%
HSV	144°, 60%, 75%
XYZ	25.1247, 40.2032, 24.8542
YIQ	148.7490, -46.3910, -45.8390

Conversions

Conversions Part 2

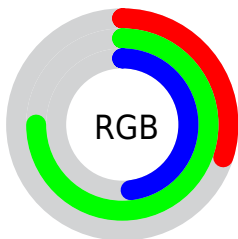
Format	Color
RYB	76, 158, 191
Decimal	5029754
CIELab	69.61, -48.13, 25.38
CIElCh	70, 54.416, 152.198
Yxy	40.2032, 0.2786, 0.4458
Android (android.graphics.Color)	4283219834 (0xFF4CBF7A)
YUV	148.7490, -13.1873, -63.8009
Hunter-Lab	63.4060, -40.2295, 21.1434

Details

The Yxy color **40.2032, 0.2786, 0.4458** is a dark color, and the websafe version is hex **33CC99**. A complement of this color would be **18.2889, 0.3827, 0.2399**, and the grayscale version is **30.0159, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.3808, 0.2864, 0.4209**, and **18.0894, 0.2678, 0.4841** is the 20% darker color. If you saturate the color by 10%, you get **39.2677, 0.2767, 0.4692**, and if you desaturate by 10%, it is **41.4076, 0.2821, 0.4228**.

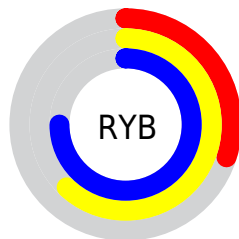
Distribution



Red (30%)

Green (75%)

Blue (48%)



Red (30%)

Yellow (62%)

Blue (75%)

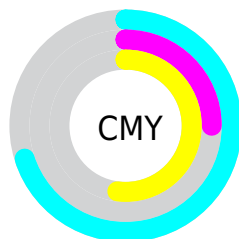


Cyan (60%)

Magenta (0%)

Yellow (36%)

Black (25%)



Cyan (70%)


Magenta (25%)


Yellow (52%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.2032, 0.2786, 0.4458 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 40.2032, 0.2786, 0.4458 by changing the saturation by 10% instead.

 40.2032, 0.2786,
0.4458


 40.2032, 0.2786,
0.4458


346.9793, 0.2981,
0.3820


 27.6970, 0.2728,
0.4636


 75.4728, 0.2863,
0.4213


 18.0974, 0.2648,
0.4875


 99.0051, 0.2891,
0.4125


 11.0199, 0.2530,
0.5214


 126.9815, 0.2913,
0.4052

 6.0802, 0.2342,
0.5722

 159.7864, 0.2931,
0.3991

 2.8939, 0.2034,
0.6617

 197.8042, 0.2947,
0.3939

 1.0766, 0.0000,
1.0000

241.4194, 0.2960,

 0.0000, 0.0000,

0.3894

0.0000

291.0163, 0.2971,
0.3854

■ 40.2032, 0.2786,
0.4458

■ 40.2032, 0.2786,
0.4458

■ 39.2677, 0.2767,
0.4692

■ 41.4076, 0.2821,
0.4228

■ 38.5739, 0.2766,
0.4921

■ 42.8958, 0.2869,
0.4008

■ 38.0970, 0.2783,
0.5137

■ 44.6872, 0.2926,
0.3803

■ 37.7907, 0.2814,
0.5330

■ 46.7981, 0.2990,
0.3615

■ 49.2438, 0.3057,
0.3445

■ 52.0382, 0.3126,
0.3293

■ 55.1948, 0.3194,
0.3159

■ 58.7262, 0.3261,
0.3041

■ 62.6442, 0.3326,
0.2938

Harmonies

Analogous

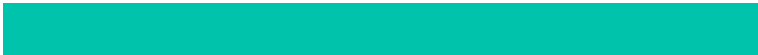
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



40.2032, 0.3544, 0.4766



40.2032, 0.2786, 0.4458



40.2032, 0.2162, 0.3670

Triad

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



40.2032, 0.2786, 0.4458



40.2032, 0.2032, 0.2102



40.2032, 0.4636, 0.3428

Complementary

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



40.2032, 0.2786, 0.4458



18.2889, 0.3827, 0.2399

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.



40.2032, 0.4127, 0.2874



40.2032, 0.2786, 0.4458



40.2032, 0.2564, 0.2150

Square

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



40.2032, 0.2786, 0.4458



40.2032, 0.1782, 0.2322



40.2032, 0.3328, 0.2424



40.2032, 0.4653, 0.4010

Rectangle

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



40.2032, 0.2786, 0.4458



40.2032, 0.1899, 0.3104



40.2032, 0.3328, 0.2424



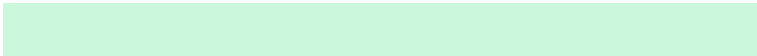
40.2032, 0.4516, 0.3237

Sweetspot

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



40.2048, 0.2786, 0.4458



84.6096, 0.3003, 0.3580



43.8044, 0.3550, 0.4919



18.3139, 0.2983, 0.3633



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

Same Dimension

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



40.2048, 0.2786, 0.4458



69.9195, 0.2765, 0.4760



42.0742, 0.2456, 0.3468



10.7112, 0.3063, 0.3431



24.8498, 0.2807, 0.5305



0.9864, 0.2669, 0.4809

Inverse Universe

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



18.2889, 0.3827, 0.2399



27.2637, 0.4054, 0.2280



16.9415, 0.4799, 0.3150



9.6299, 0.3197, 0.3153



8.1024, 0.4522, 0.2265



0.3300, 0.4128, 0.2048

Previews

White Background



This preview shows how the Yxy color 40.2032, 0.2786, 0.4458 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 40.2032, 0.2786, 0.4458 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 40.2032, 0.2786, 0.4458

Background



This preview shows how black text looks on a background with the Yxy color 40.2032, 0.2786, 0.4458.



This preview shows how white text looks on a background with the Yxy color 40.2032, 0.2786, 0.4458.

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

40.2032, 0.2786, 0.4458

Protanopia

39.6355, 0.3757, 0.4058

Deuteranopia

39.4314, 0.3795, 0.3725



Tritanopia

40.1398, 0.2439, 0.3065

Trichromacy



Original Color

40.2032, 0.2786, 0.4458



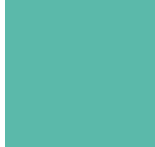
Protanomaly

38.6345, 0.3324, 0.4227



Deuteranomaly

38.2635, 0.3346, 0.3997



Tritanomaly

39.8243, 0.2561, 0.3526

Monochromacy



Original Color

40.2032, 0.2786, 0.4458



Achromatopsia

30.0544, 0.3127, 0.3290



Achromatomaly

32.5526, 0.2955, 0.3705

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.2032, 0.2786, 0.4458 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(76, 191, 122)` looks like.

```
.text, #text, p{  
    color:rgb(76, 191, 122)  
}
```

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(76, 191, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(76, 191, 122) }
```

Border

The CSS property to change the border of an element to Yxy 40.2032, 0.2786, 0.4458 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(76, 191, 122) }
```

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

```
.border{ border-color:rgb(76, 191, 122) }
```

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

Here you see how a box with a 4 pixel `rgb(76, 191, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(76, 191, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(76, 191, 122);  
box-shadow:4px 4px 4px 4px rgb(76, 191,  
122) }
```


Background

The CSS property to change the background color of an element to Yxy 40.2032, 0.2786, 0.4458 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(76, 191, 122) }
```

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

```
.background{ background-color: rgb(76, 191,  
122) }
```

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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