

Converting Colors

$Y_{xy}(40.0240, 0.2640, 0.5156)$

Have a look what the booklet for
Yxy(40.0240, 0.2640, 0.5156)
contains.

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Color

Yxy(40.7228, 0.2752, 0.5108)

Conversions

Conversions Part 1

Format	Color
Hex	00C55D
RGB	0, 197, 93
RGB Percent	0%, 77%, 36%
CMY	1.0000, 0.2274, 0.6353
CMYK	1.00, 0.00, 0.53, 0.23
HSL	148°, 100%, 39%
HSV	148°, 100%, 77%
XYZ	21.9399, 40.7228, 17.0608
YIQ	126.2410, -84.0280, -74.1080

Conversions

Conversions Part 2

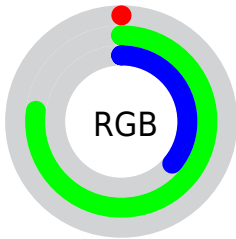
Format	Color
RYB	0, 134, 197
Decimal	50525
CIELab	69.98, -63.89, 40.42
CIELCh	70, 75.606, 147.681
Yxy	40.7228, 0.2752, 0.5108
Android (android.graphics.Color)	4278240605 (0xFF00C55D)
YUV	126.2410, -16.3878, -110.7134
Hunter-Lab	63.8144, -50.3055, 28.8189

Details

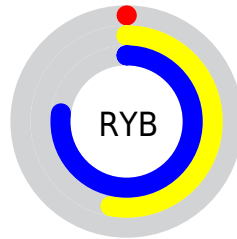
The Yxy color **40.7228, 0.2752, 0.5108** is a dark color, and the websafe version is hex **00CC66**. The color can be described as dark washed green. A complement of this color would be **12.8707, 0.4850, 0.2445**, and the grayscale version is **21.0303, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.2737, 0.2856, 0.4723**, and **19.5204, 0.2876, 0.5553** is the 20% darker color. If you saturate the color by 10%, you get **40.7260, 0.2752, 0.5108**, and if you desaturate by 10%, it is **41.0686, 0.2722, 0.4921**.

Distribution



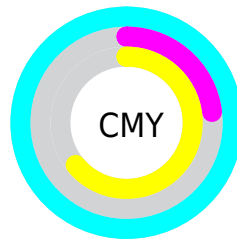
- Red (0%)
- Green (77%)
- Blue (36%)



- Red (0%)
- Yellow (53%)
- Blue (77%)



- Cyan (100%)
- Magenta (0%)
- Yellow (53%)
- Black (23%)



- Cyan (100%)
- Magenta (23%)
- Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.7228, 0.2752, 0.5108 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 40.7228, 0.2752, 0.5108 by changing the saturation by 10% instead.


 40.7228, 0.2752,
0.5108


 40.7228, 0.2752,
0.5108


349.1607, 0.2993,
0.4100


 28.1025, 0.2671,
0.5389


 76.2629, 0.2854,
0.4719


 18.4030, 0.2554,
0.5764


 99.9516, 0.2888,
0.4579

 11.2397, 0.2373,
0.6283


 128.0985, 0.2915,
0.4464

 6.2283, 0.2079,
0.7031

 161.0881, 0.2936,
0.4368

 2.9844, 0.1539,
0.8461

 199.3047, 0.2954,
0.4286

 1.1236, 0.0000,
1.0000

243.1327, 0.2969,

 0.0000, 0.0000,

0.4215

0.0000

292.9566, 0.2982,
0.4154

■ 40.7228, 0.2752,
0.5108

■ 40.7228, 0.2752,
0.5108

■ 40.7260, 0.2752,
0.5108

■ 41.0686, 0.2722,
0.4921

■ 41.5852, 0.2708,
0.4722

■ 42.3289, 0.2713,
0.4516

■ 43.3276, 0.2737,
0.4310

■ 44.6048, 0.2779,
0.4108

■ 46.1816, 0.2833,
0.3916

■ 48.0768, 0.2899,
0.3736

■ 50.3074, 0.2971,
0.3572

■ 52.8896, 0.3048,
0.3423

Harmonies

Analogous

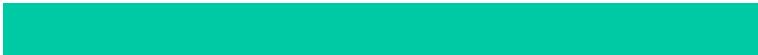
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



40.7228, 0.3741, 0.5306



40.7228, 0.2752, 0.5108



40.7228, 0.1917, 0.3996

Triad

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



40.7228, 0.2752, 0.5108



40.7228, 0.1634, 0.1763



40.7228, 0.5132, 0.3281

Complementary

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



40.7228, 0.2752, 0.5108



12.8707, 0.4850, 0.2445

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.



40.7228, 0.4346, 0.2621



40.7228, 0.2752, 0.5108



40.7228, 0.2236, 0.1793

Square

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



40.7228, 0.2752, 0.5108



40.7228, 0.1382, 0.2056



40.7228, 0.3207, 0.2094



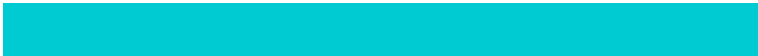
40.7228, 0.5192, 0.4004

Rectangle

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



40.7228, 0.2752, 0.5108



40.7228, 0.1566, 0.3150



40.7228, 0.3207, 0.2094



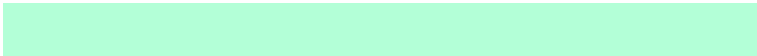
40.7228, 0.4942, 0.3052

Sweetspot

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



40.7260, 0.2752, 0.5108



85.9308, 0.2896, 0.3744



42.9430, 0.3410, 0.5675



18.0689, 0.2867, 0.3820



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.



40.7260, 0.2752, 0.5108



72.8855, 0.2760, 0.5134



43.6725, 0.2275, 0.3390



11.9699, 0.3053, 0.3415



26.8020, 0.2746, 0.5084



1.2837, 0.2635, 0.4686

Inverse Universe

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



12.8707, 0.4850, 0.2445



22.9984, 0.4881, 0.2462



11.8856, 0.6368, 0.3282



10.7289, 0.3209, 0.3169



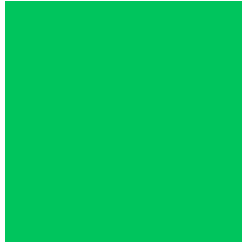
8.4820, 0.4823, 0.2430



0.4162, 0.4397, 0.2196

Previews

White Background



This preview shows how the Yxy color 40.7228, 0.2752, 0.5108 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 40.7228, 0.2752, 0.5108 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 40.7228, 0.2752, 0.5108

Background



This preview shows how black text looks on a background with the Yxy color 40.7228, 0.2752, 0.5108.



This preview shows how white text looks on a background with the Yxy color 40.7228, 0.2752, 0.5108.

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

40.7228, 0.2752, 0.5108

Protanopia

40.0809, 0.4035, 0.4405

Deuteranopia

39.9218, 0.4126, 0.4040



Tritanopia

40.4046, 0.2330, 0.3061

Trichromacy



Original Color

40.7228, 0.2752, 0.5108



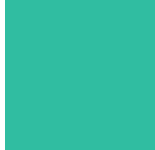
Protanomaly

37.3237, 0.3307, 0.4787



Deuteranomaly

36.3861, 0.3337, 0.4507



Tritanomaly

39.5968, 0.2451, 0.3755

Monochromacy



Original Color

40.7228, 0.2752, 0.5108



Achromatopsia

20.8637, 0.3127, 0.3290



Achromatomaly

25.3769, 0.2796, 0.4038

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.7228, 0.2752, 0.5108 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(0, 197, 93)` looks like.

```
.text, #text, p{  
    color:rgb(0, 197, 93)  
}
```

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(0, 197, 93) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 197, 93) }
```

Border

The CSS property to change the border of an element to Yxy 40.7228, 0.2752, 0.5108 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(0, 197, 93) }
```

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

```
.border{ border-color:rgb(0, 197, 93) }
```

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

Here you see how a box with a 4 pixel rgb(0, 197, 93) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 197, 93); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 197, 93);  
box-shadow:4px 4px 4px 4px rgb(0, 197, 93)  
}
```


Background

The CSS property to change the background color of an element to Yxy 40.7228, 0.2752, 0.5108 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 197, 93) }
```

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

```
.background{ background-color: rgb(0, 197,  
93) }
```

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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