

Converting Colors

$Yxy(40.9457, 0.2935, 0.5000)$

Have a look what the booklet for
Yxy(40.9457, 0.2935, 0.5000)
contains.

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Color

Yxy(40.7516, 0.2932, 0.4991)

Conversions

Conversions Part 1

Format	Color
Hex	48C25D
RGB	72, 194, 93
RGB Percent	28%, 76%, 36%
CMY	0.7176, 0.2392, 0.6353
CMYK	0.63, 0.00, 0.52, 0.24
HSL	130°, 50%, 52%
HSV	130°, 63%, 76%
XYZ	23.9398, 40.7516, 16.9587
YIQ	146.0080, -40.2910, -57.2750

Conversions

Conversions Part 2

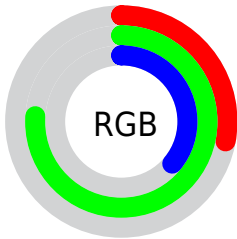
Format	Color
RYB	72, 176, 194
Decimal	4768349
CIELab	70.00, -54.93, 40.67
CIELCh	70, 68.349, 143.484
Yxy	40.7516, 0.2932, 0.4991
Android (android.graphics.Color)	4282958429 (0xFF48C25D)
YUV	146.0080, -26.1329, -64.9050
Hunter-Lab	63.8370, -44.7745, 28.9351

Details

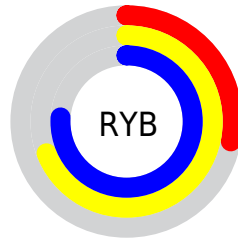
The Yxy color **40.7516, 0.2932, 0.4991** is a dark color, and the websafe version is hex **66CC66**. The color can be described as dark muted green. A complement of this color would be **19.1220, 0.3461, 0.2061**, and the grayscale version is **28.8702, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.0252, 0.3002, 0.4631**, and **18.6397, 0.2871, 0.5534** is the 20% darker color. If you saturate the color by 10%, you get **39.8663, 0.2925, 0.5281**, and if you desaturate by 10%, it is **41.9353, 0.2950, 0.4684**.

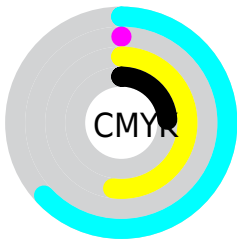
Distribution



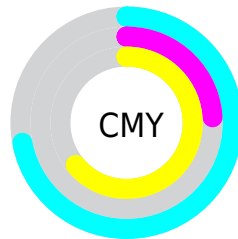
- Red (28%)
- Green (76%)
- Blue (36%)



- Red (28%)
- Yellow (69%)
- Blue (76%)



- Cyan (63%)
- Magenta (0%)
- Yellow (52%)
- Black (24%)





- Cyan (72%)
- Magenta (24%)
- Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.7516, 0.2932, 0.4991 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 40.7516, 0.2932, 0.4991 by changing the saturation by 10% instead.


 40.7516, 0.2932,
0.4991


 40.7516, 0.2932,
0.4991


349.2814, 0.3077,
0.4056


 28.1250, 0.2877,
0.5249


 76.3067, 0.2998,
0.4632


 18.4199, 0.2792,
0.5592


 100.0040, 0.3018,
0.4503

 11.2519, 0.2656,
0.6064


 128.1603, 0.3034,
0.4396

 6.2365, 0.2422,
0.6743

 161.1601, 0.3047,
0.4306

 2.9894, 0.2035,
0.7965

 199.3877, 0.3056,
0.4229

 1.1262, 0.0000,
1.0000

243.2275, 0.3064,

 0.0002, 0.0000,

0.4163

1.0000

293.0639, 0.3071,
0.4106

■ 0.0000, 0.0000,
0.0000

■ 40.7516, 0.2932,
0.4991

■ 40.7516, 0.2932,
0.4991

■ 39.8663, 0.2925,
0.5281

■ 41.9353, 0.2950,
0.4684

■ 39.2475, 0.2929,
0.5536

■ 43.4357, 0.2976,
0.4377

■ 38.8651, 0.2945,
0.5739

■ 45.2756, 0.3008,
0.4083

■ 38.6973, 0.2958,
0.5848

■ 47.4743, 0.3043,
0.3812

■ 50.0495, 0.3080,
0.3566

■ 53.0180, 0.3117,
0.3348

■ 56.3952, 0.3152,
0.3157

■ 60.1959, 0.3186,
0.2990

■ 64.4342, 0.3218,
0.2845

Harmonies

Analogous

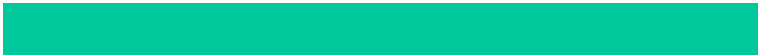
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



40.7516, 0.3846, 0.5088



40.7516, 0.2932, 0.4991



40.7516, 0.2119, 0.4090

Triad

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



40.7516, 0.2932, 0.4991



40.7516, 0.1694, 0.1899



40.7516, 0.4882, 0.3214

Complementary

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



40.7516, 0.2932, 0.4991



19.1220, 0.3461, 0.2061

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.



40.7516, 0.4097, 0.2602



40.7516, 0.2932, 0.4991



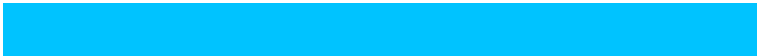
40.7516, 0.2214, 0.1883

Square

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



40.7516, 0.2932, 0.4991



40.7516, 0.1499, 0.2235



40.7516, 0.3066, 0.2131



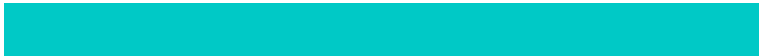
40.7516, 0.5053, 0.3890

Rectangle

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



40.7516, 0.2932, 0.4991



40.7516, 0.1749, 0.3328



40.7516, 0.3066, 0.2131



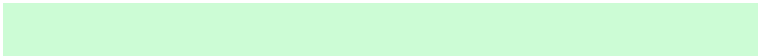
40.7516, 0.4677, 0.3000

Sweetspot

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



40.7533, 0.2932, 0.4991



87.6006, 0.3056, 0.3720



48.0140, 0.3813, 0.4837



18.8984, 0.3046, 0.3794



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.



40.7533, 0.2932, 0.4991



71.8032, 0.2925, 0.5370



42.2740, 0.2593, 0.3951



11.2865, 0.3093, 0.3486



25.4497, 0.2953, 0.5831



1.1086, 0.2846, 0.5447

Inverse Universe

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



19.1220, 0.3461, 0.2061



29.5072, 0.3550, 0.1905



17.2894, 0.4424, 0.2778



10.2168, 0.3163, 0.3101



9.2343, 0.3693, 0.1808



0.4070, 0.3567, 0.1739

Previews

White Background



This preview shows how the Yxy color 40.7516, 0.2932, 0.4991 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 40.7516, 0.2932, 0.4991 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 40.7516, 0.2932, 0.4991

Background



This preview shows how black text looks on a background with the Yxy color 40.7516, 0.2932, 0.4991.



This preview shows how white text looks on a background with the Yxy color 40.7516, 0.2932, 0.4991.

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

40.7516, 0.2932, 0.4991

Protanopia

40.0967, 0.4028, 0.4394

Deuteranopia

39.9021, 0.4135, 0.4051



Tritanopia

40.6649, 0.2453, 0.3080

Trichromacy



Original Color

40.7516, 0.2932, 0.4991



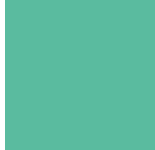
Protanomaly

39.0558, 0.3540, 0.4650



Deuteranomaly

38.3220, 0.3597, 0.4411



Tritanomaly

40.2175, 0.2627, 0.3740

Monochromacy



Original Color

40.7516, 0.2932, 0.4991



Achromatopsia

28.7441, 0.3127, 0.3290



Achromatomaly

31.6486, 0.3026, 0.3903

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.7516, 0.2932, 0.4991 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(72, 194, 93)` looks like.

```
.text, #text, p{  
    color:rgb(72, 194, 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(72, 194, 93) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(72, 194, 93) }
```

Border

The CSS property to change the border of an element to Yxy 40.7516, 0.2932, 0.4991 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(72, 194, 93) }
```

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

```
.border{ border-color:rgb(72, 194, 93) }
```

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

Here you see how a box with a 4 pixel `rgb(72, 194, 93)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(72, 194, 93); -webkit-box-  
shadow:4px 4px 4px 4px rgb(72, 194, 93);  
box-shadow:4px 4px 4px 4px rgb(72, 194,  
93) }
```


Background

The CSS property to change the background color of an element to Yxy 40.7516, 0.2932, 0.4991 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(72, 194, 93) }
```

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

```
.background{ background-color: rgb(72, 194,  
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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