

Converting Colors

$Y_{xy}(35.6189, 0.2737, 0.4792)$

Have a look what the booklet for
Yxy(35.6189, 0.2737, 0.4792)
contains.

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Color

Yxy(35.6716, 0.2738, 0.4793)

Conversions

Conversions Part 1

Format	Color
Hex	27B866
RGB	39, 184, 102
RGB Percent	15%, 72%, 40%
CMY	0.8466, 0.2784, 0.6001
CMYK	0.79, 0.00, 0.45, 0.28
HSL	146°, 65%, 44%
HSV	146°, 79%, 72%
XYZ	20.3774, 35.6716, 18.3754
YIQ	131.2970, -60.0980, -56.2420

Conversions

Conversions Part 2

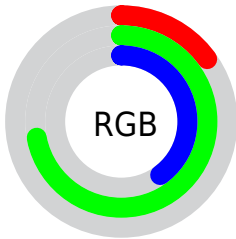
Format	Color
RYB	39, 140, 184
Decimal	2603110
CIELab	66.27, -55.35, 31.32
CIElCh	66, 63.596, 150.498
Yxy	35.6716, 0.2738, 0.4793
Android (android.graphics.Color)	4280793190 (0xFF27B866)
YUV	131.2970, -14.4434, -80.9445
Hunter-Lab	59.7257, -43.6188, 23.5667

Details

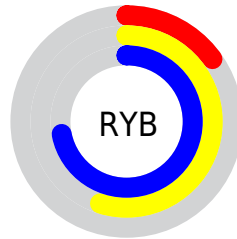
The Yxy color **35.6716, 0.2738, 0.4793** is a dark color, and the websafe version is hex **33CC66**. A complement of this color would be **13.0319, 0.4250, 0.2312**, and the grayscale version is **22.8883, 0.3127, 0.3290**.

A 20% lighter version of the original color is **68.4318, 0.2834, 0.4461**, and **16.2223, 0.2792, 0.5251** is the 20% darker color. If you saturate the color by 10%, you get **35.2021, 0.2751, 0.5003**, and if you desaturate by 10%, it is **36.3442, 0.2744, 0.4574**.

Distribution



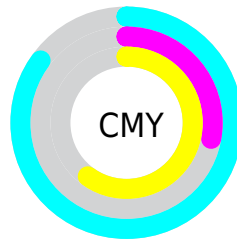
- Red (15%)
- Green (72%)
- Blue (40%)



- Red (15%)
- Yellow (55%)
- Blue (72%)



- Cyan (79%)
- Magenta (0%)
- Yellow (45%)
- Black (28%)




- Cyan (85%)
- Magenta (28%)
- Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 35.6716, 0.2738, 0.4793 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 35.6716, 0.2738, 0.4793 by changing the saturation by 10% instead.

 35.6716, 0.2738,
0.4793


 35.6716, 0.2738,
0.4793


327.5229, 0.2974,
0.3948


 24.1807, 0.2662,
0.5037


 68.5249, 0.2836,
0.4462


 15.4677, 0.2553,
0.5370


 90.6560, 0.2869,
0.4345


 9.1483, 0.2385,
0.5847


 117.1027, 0.2895,
0.4249

 4.8380, 0.2106,
0.6568

 148.2493, 0.2917,
0.4169

 2.1525, 0.1435,
0.8565

 184.4802, 0.2935,
0.4101

 0.6939, 0.0000,
1.0000

226.1799, 0.2950,

 0.0000, 0.0000,

0.4043

0.0000

273.7326, 0.2963,
0.3992

■ 35.6716, 0.2738,
0.4793

■ 35.6716, 0.2738,
0.4793

■ 35.2021, 0.2751,
0.5003

■ 36.3442, 0.2744,
0.4574

■ 34.8919, 0.2780,
0.5199

■ 37.2387, 0.2768,
0.4354

■ 34.8576, 0.2784,
0.5222

■ 38.3764, 0.2808,
0.4139

■ 39.7747, 0.2861,
0.3935

■ 41.4495, 0.2923,
0.3744

■ 43.4155, 0.2991,
0.3570

■ 45.6861, 0.3063,
0.3413

■ 48.2739, 0.3136,
0.3273

■ 51.1909, 0.3209,
0.3149

Harmonies

Analogous

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



35.6716, 0.3632, 0.5088



35.6716, 0.2738, 0.4793



35.6716, 0.2000, 0.3807

Triad

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



35.6716, 0.2738, 0.4793



35.6716, 0.1814, 0.1900



35.6716, 0.4934, 0.3373

Complementary

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



35.6716, 0.2738, 0.4793



13.0319, 0.4250, 0.2312

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.



35.6716, 0.4289, 0.2751



35.6716, 0.2738, 0.4793



35.6716, 0.2404, 0.1947

Square

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



35.6716, 0.2738, 0.4793



35.6716, 0.1550, 0.2152



35.6716, 0.3301, 0.2247



35.6716, 0.4956, 0.4045

Rectangle

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



35.6716, 0.2738, 0.4793



35.6716, 0.1693, 0.3092



35.6716, 0.3301, 0.2247



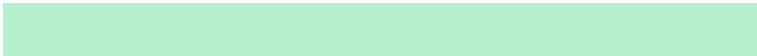
35.6716, 0.4782, 0.3158

Sweetspot

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



35.6730, 0.2738, 0.4793



76.6213, 0.2952, 0.3667



38.5083, 0.3533, 0.5352



16.2561, 0.2928, 0.3730



93.3107, 0.3127, 0.3290



18.7317, 0.3127, 0.3290

Same Dimension

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



35.6730, 0.2738, 0.4793



63.4134, 0.2770, 0.5138



37.7834, 0.2341, 0.3447



10.1231, 0.3059, 0.3422



24.0374, 0.2778, 0.5200



0.8598, 0.2633, 0.4679

Inverse Universe

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



13.0319, 0.4250, 0.2312



20.7482, 0.4591, 0.2330



11.8681, 0.5692, 0.3210



9.0951, 0.3202, 0.3161



7.7286, 0.4657, 0.2339



0.2846, 0.4189, 0.2081

Previews

White Background



This preview shows how the Yxy color 35.6716, 0.2738, 0.4793 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 35.6716, 0.2738, 0.4793 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 35.6716, 0.2738, 0.4793

Background



This preview shows how black text looks on a background with the Yxy color 35.6716, 0.2738, 0.4793.



This preview shows how white text looks on a background with the Yxy color 35.6716, 0.2738, 0.4793.

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

35.6716, 0.2738, 0.4793

Protanopia

35.0459, 0.3897, 0.4238

Deuteranopia

34.9630, 0.3962, 0.3887



Tritanopia

35.4807, 0.2356, 0.3065

Trichromacy



Original Color

35.6716, 0.2738, 0.4793



Protanomaly

33.6561, 0.3329, 0.4499



Deuteranomaly

32.8258, 0.3361, 0.4238



Tritanomaly

35.3319, 0.2484, 0.3649

Monochromacy



Original Color

35.6716, 0.2738, 0.4793



Achromatopsia

22.6966, 0.3127, 0.3290



Achromatomaly

25.7654, 0.2893, 0.3856

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.6716, 0.2738, 0.4793 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(39, 184, 102)` looks like.

```
.text, #text, p{  
    color:rgb(39, 184, 102)  
}
```

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(39, 184, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(39, 184, 102) }
```

Border

The CSS property to change the border of an element to Yxy 35.6716, 0.2738, 0.4793 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(39, 184, 102) }
```

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

```
.border{ border-color:rgb(39, 184, 102) }
```

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

Here you see how a box with a 4 pixel `rgb(39, 184, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(39, 184, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(39, 184, 102);  
box-shadow:4px 4px 4px 4px rgb(39, 184,  
102) }
```


Background

The CSS property to change the background color of an element to Yxy 35.6716, 0.2738, 0.4793 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(39, 184, 102) }
```

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

```
.background{ background-color: rgb(39, 184,  
102) }
```

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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