

Converting Colors

$Yxy(36.0466, 0.2461, 0.3998)$

Have a look what the booklet for
Yxy(36.0466, 0.2461, 0.3998)
contains.

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Color

Yxy(35.9693, 0.2462, 0.4003)

Conversions

Conversions Part 1

Format	Color
Hex	11B78F
RGB	17, 183, 143
RGB Percent	7%, 72%, 56%
CMY	0.9333, 0.2823, 0.4392
CMYK	0.91, 0.00, 0.22, 0.28
HSL	166°, 83%, 39%
HSV	166°, 91%, 72%
XYZ	22.1225, 35.9693, 31.7640
YIQ	128.8060, -86.0960, -47.6320

Conversions

Conversions Part 2

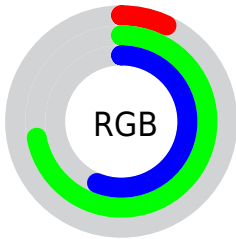
Format	Color
RYB	17, 111, 183
Decimal	1161103
CIELab	66.50, -48.02, 9.59
CIELCh	66, 48.973, 168.706
Yxy	35.9693, 0.2462, 0.4003
Android (android.graphics.Color)	4279351183 (0xFF11B78F)
YUV	128.8060, 6.9976, -98.0539
Hunter-Lab	59.9744, -39.1127, 10.5805

Details

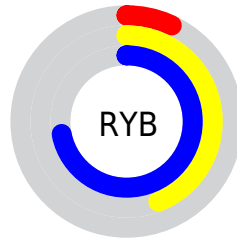
The Yxy color **35.9693, 0.2462, 0.4003** is a dark color, and the websafe version is hex **33CC99**. A complement of this color would be **10.7641, 0.5669, 0.2982**, and the grayscale version is **21.8801, 0.3127, 0.3290**.

A 20% lighter version of the original color is **69.0607, 0.2594, 0.3853**, and **16.4908, 0.2498, 0.4192** is the 20% darker color. If you saturate the color by 10%, you get **35.7296, 0.2468, 0.4085**, and if you desaturate by 10%, it is **36.3505, 0.2470, 0.3914**.

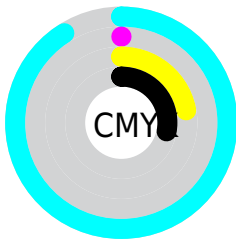
Distribution



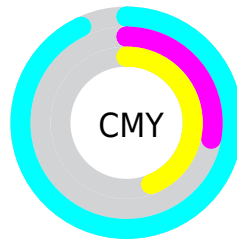
- Red (7%)
- Green (72%)
- Blue (56%)



- Red (7%)
- Yellow (44%)
- Blue (72%)



- Cyan (91%)
- Magenta (0%)
- Yellow (22%)
- Black (28%)





- Cyan (93%)
- Magenta (28%)
- Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 35.9693, 0.2462, 0.4003 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 35.9693, 0.2462, 0.4003 by changing the saturation by 10% instead.


 35.9693, 0.2462,
0.4003


 35.9693, 0.2462,
0.4003


328.8263, 0.2814,
0.3617

 24.4105, 0.2368,
0.4110


 68.9847, 0.2594,
0.3855


 15.6384, 0.2244,
0.4254


 91.2100, 0.2643,
0.3802


 9.2686, 0.2072,
0.4459


 117.7597, 0.2683,
0.3758

 4.9168, 0.1821,
0.4770

 149.0180, 0.2717,
0.3721

 2.1985, 0.1366,
0.5330

 185.3695, 0.2746,
0.3689

 0.7192, 0.0000,
0.8647

227.1984, 0.2772,

 0.0000, 0.0000,

0.3662

0.0000

274.8892, 0.2794,
0.3638

■ 35.9693, 0.2462,
0.4003

■ 35.9693, 0.2462,
0.4003

■ 35.7296, 0.2468,
0.4085

■ 36.3505, 0.2470,
0.3914

■ 36.9028, 0.2497,
0.3825

■ 37.6504, 0.2543,
0.3737

■ 38.6127, 0.2608,
0.3652

■ 39.8066, 0.2688,
0.3570

■ 41.2472, 0.2783,
0.3492

■ 42.9485, 0.2888,
0.3420

■ 44.9232, 0.3001,
0.3354

■ 47.1835, 0.3119,
0.3294

Harmonies

Analogous

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



35.9693, 0.3131, 0.4572



35.9693, 0.2462, 0.4003



35.9693, 0.2006, 0.3210

Triad

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



35.9693, 0.2462, 0.4003



35.9693, 0.2341, 0.2164



35.9693, 0.4608, 0.3735

Complementary

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



35.9693, 0.2462, 0.4003



10.7641, 0.5669, 0.2982

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.



35.9693, 0.4373, 0.3185



35.9693, 0.2462, 0.4003



35.9693, 0.2977, 0.2331

Square

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



35.9693, 0.2462, 0.4003



35.9693, 0.1954, 0.2231



35.9693, 0.3742, 0.2692



35.9693, 0.4388, 0.4263

Rectangle

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



35.9693, 0.2462, 0.4003



35.9693, 0.1862, 0.2755



35.9693, 0.3742, 0.2692



35.9693, 0.4583, 0.3550

Sweetspot

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



35.9707, 0.2462, 0.4003



74.8121, 0.2816, 0.3468



34.8234, 0.3141, 0.5814



16.3074, 0.2781, 0.3493



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.



35.9707, 0.2462, 0.4003



63.9508, 0.2472, 0.4099



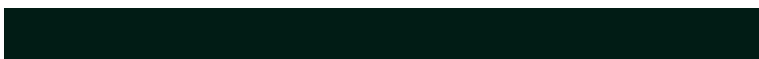
22.7366, 0.2057, 0.2545



10.1726, 0.3016, 0.3346



24.9358, 0.2465, 0.4074



0.8881, 0.2402, 0.3847

Inverse Universe

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



10.7641, 0.5669, 0.2982



18.3272, 0.5994, 0.3076



13.1852, 0.5829, 0.3631



9.0468, 0.3251, 0.3235



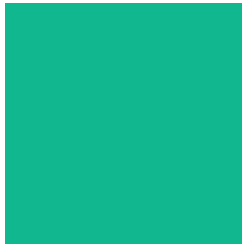
7.1597, 0.5927, 0.3039



0.2624, 0.5188, 0.2631

Previews

White Background



This preview shows how the Yxy color 35.9693, 0.2462, 0.4003 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 35.9693, 0.2462, 0.4003 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

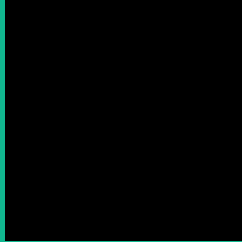
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 35.9693, 0.2462, 0.4003

Background



This preview shows how black text looks on a background with the Yxy color 35.9693, 0.2462, 0.4003.



This preview shows how white text looks on a background with the Yxy color 35.9693, 0.2462, 0.4003.

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

35.9693, 0.2462, 0.4003

Protanopia

35.3536, 0.3486, 0.3699

Deuteranopia

35.3159, 0.3437, 0.3375



Tritanopia

36.1054, 0.2281, 0.3064

Trichromacy



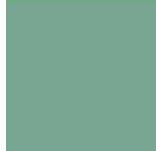
Original Color

35.9693, 0.2462, 0.4003



Protanomaly

33.3602, 0.2913, 0.3828



Deuteranomaly

33.0818, 0.2883, 0.3585



Tritanomaly

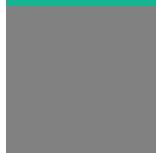
35.8098, 0.2331, 0.3371

Monochromacy



Original Color

35.9693, 0.2462, 0.4003



Achromatopsia

21.9526, 0.3127, 0.3290



Achromatomaly

25.2908, 0.2694, 0.3572

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.9693, 0.2462, 0.4003 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(17, 183, 143)` looks like.

```
.text, #text, p{  
    color:rgb(17, 183, 143)  
}
```

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(17, 183, 143) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(17, 183, 143) }
```

Border

The CSS property to change the border of an element to Yxy 35.9693, 0.2462, 0.4003 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(17, 183, 143) }
```

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

```
.border{ border-color:rgb(17, 183, 143) }
```

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

Here you see how a box with a 4 pixel rgb(17, 183, 143) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(17, 183, 143); -webkit-box-  
shadow:4px 4px 4px 4px rgb(17, 183, 143);  
box-shadow:4px 4px 4px 4px rgb(17, 183,  
143) }
```


Background

The CSS property to change the background color of an element to Yxy 35.9693, 0.2462, 0.4003 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(17, 183, 143) }
```

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

```
.background{ background-color: rgb(17, 183,  
143) }
```

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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