

Converting Colors

$Yxy(35.7440, 0.2527, 0.4225)$

Have a look what the booklet for
Yxy(35.7440, 0.2527, 0.4225)
contains.

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Color

Yxy(35.6714, 0.2525, 0.4215)

Conversions

Conversions Part 1

Format	Color
Hex	13B784
RGB	19, 183, 132
RGB Percent	7%, 72%, 52%
CMY	0.9249, 0.2824, 0.4823
CMYK	0.90, 0.00, 0.28, 0.28
HSL	161°, 81%, 40%
HSV	161°, 90%, 72%
XYZ	21.3690, 35.6714, 27.5893
YIQ	128.1500, -81.3730, -50.6290

Conversions

Conversions Part 2

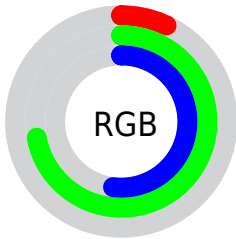
Format	Color
RYB	19, 116, 183
Decimal	1292164
CIELab	66.27, -50.57, 15.28
CIELCh	66, 52.831, 163.185
Yxy	35.6714, 0.2525, 0.4215
Android (android.graphics.Color)	4279482244 (0xFF13B784)
YUV	128.1500, 1.8981, -95.7245
Hunter-Lab	59.7255, -40.6548, 14.4198

Details

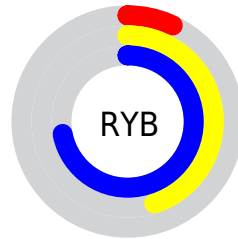
The Yxy color **35.6714, 0.2525, 0.4215** is a dark color, and the websafe version is hex **33CC99**. A complement of this color would be **10.9821, 0.5395, 0.2838**, and the grayscale version is **21.6718, 0.3127, 0.3290**.

A 20% lighter version of the original color is **68.5323, 0.2650, 0.4021**, and **16.3097, 0.2581, 0.4491** is the 20% darker color. If you saturate the color by 10%, you get **35.3866, 0.2537, 0.4331**, and if you desaturate by 10%, it is **36.0948, 0.2529, 0.4097**.

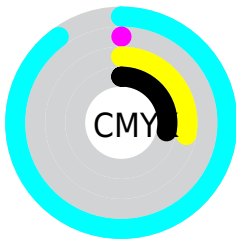
Distribution



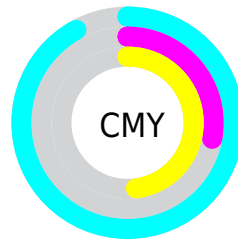
- Red (7%)
- Green (72%)
- Blue (52%)



- Red (7%)
- Yellow (45%)
- Blue (72%)



- Cyan (90%)
- Magenta (0%)
- Yellow (28%)
- Black (28%)




- Cyan (92%)
- Magenta (28%)
- Yellow (48%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 35.6714, 0.2525, 0.4215 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 35.6714, 0.2525, 0.4215 by changing the saturation by 10% instead.


 35.6714, 0.2525,
0.4215


 35.6714, 0.2525,
0.4215

327.5220, 0.2851,
0.3706


 24.1805, 0.2435,
0.4359


 68.5246, 0.2649,
0.4018


 15.4676, 0.2315,
0.4556


 90.6557, 0.2694,
0.3947


 9.1482, 0.2145,
0.4838


 117.1023, 0.2731,
0.3889

 4.8380, 0.1890,
0.5275

 148.2488, 0.2763,
0.3841

 2.1525, 0.1355,
0.6111

 184.4796, 0.2790,
0.3800

 0.6939, 0.0000,
1.0000

 226.1792, 0.2813,

 0.0000, 0.0000,

0.3764

0.0000

273.7319, 0.2833,
0.3733

■ 35.6714, 0.2525,
0.4215

■ 35.6714, 0.2525,
0.4215

■ 35.3866, 0.2537,
0.4331

■ 36.0948, 0.2529,
0.4097

■ 35.3743, 0.2538,
0.4337

■ 36.6955, 0.2552,
0.3979

■ 37.4974, 0.2595,
0.3863

■ 38.5195, 0.2656,
0.3750

■ 39.7785, 0.2732,
0.3643

■ 41.2896, 0.2821,
0.3542

■ 43.0665, 0.2919,
0.3449

■ 45.1221, 0.3023,
0.3364

■ 47.4683, 0.3132,
0.3287

Harmonies

Analogous

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



35.6714, 0.3264, 0.4741



35.6714, 0.2525, 0.4215



35.6714, 0.1990, 0.3351

Triad

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



35.6714, 0.2525, 0.4215



35.6714, 0.2186, 0.2081



35.6714, 0.4717, 0.3642

Complementary

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



35.6714, 0.2525, 0.4215



10.9821, 0.5395, 0.2838

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.



35.6714, 0.4376, 0.3066



35.6714, 0.2525, 0.4215



35.6714, 0.2820, 0.2217

Square

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



35.6714, 0.2525, 0.4215



35.6714, 0.1830, 0.2197



35.6714, 0.3637, 0.2565



35.6714, 0.4554, 0.4222

Rectangle

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



35.6714, 0.2525, 0.4215



35.6714, 0.1802, 0.2827



35.6714, 0.3637, 0.2565



35.6714, 0.4660, 0.3446

Sweetspot

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



35.6728, 0.2525, 0.4215



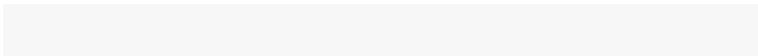
74.5744, 0.2840, 0.3522



35.2553, 0.3206, 0.5751



16.2492, 0.2808, 0.3555



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.



35.6728, 0.2525, 0.4215



63.3118, 0.2543, 0.4355



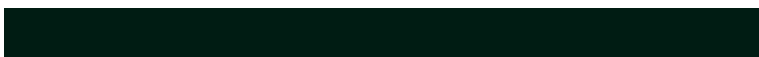
26.3283, 0.2119, 0.2761



10.1618, 0.3026, 0.3362



24.6906, 0.2534, 0.4323



0.8810, 0.2451, 0.4023

Inverse Universe

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



10.9821, 0.5395, 0.2838



18.5222, 0.5762, 0.2948



12.3271, 0.5931, 0.3523



9.0570, 0.3240, 0.3219



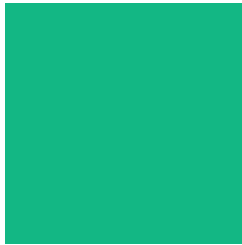
7.2399, 0.5690, 0.2908



0.2667, 0.4939, 0.2495

Previews

White Background



This preview shows how the Yxy color 35.6714, 0.2525, 0.4215 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 35.6714, 0.2525, 0.4215 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

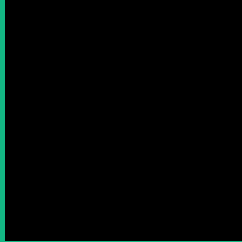
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 35.6714, 0.2525, 0.4215

Background



This preview shows how black text looks on a background with the Yxy color 35.6714, 0.2525, 0.4215.



This preview shows how white text looks on a background with the Yxy color 35.6714, 0.2525, 0.4215.

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

35.6714, 0.2525, 0.4215

Protanopia

35.1800, 0.3600, 0.3860

Deuteranopia

35.0135, 0.3581, 0.3515



Tritanopia

35.8251, 0.2298, 0.3064

Trichromacy



Original Color

35.6714, 0.2525, 0.4215



Protanomaly

33.1989, 0.3015, 0.4019



Deuteranomaly

32.8988, 0.2988, 0.3771



Tritanomaly

35.7091, 0.2367, 0.3457

Monochromacy



Original Color

35.6714, 0.2525, 0.4215



Achromatopsia

21.5861, 0.3127, 0.3290



Achromatomaly

24.8395, 0.2732, 0.3653

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.6714, 0.2525, 0.4215 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(19, 183, 132)` looks like.

```
.text, #text, p{  
    color:rgb(19, 183, 132)  
}
```

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(19, 183, 132) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(19, 183, 132) }
```

Border

The CSS property to change the border of an element to Yxy 35.6714, 0.2525, 0.4215 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(19, 183, 132) }
```

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

```
.border{ border-color:rgb(19, 183, 132) }
```

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

Here you see how a box with a 4 pixel `rgb(19, 183, 132)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(19, 183, 132); -webkit-box-  
shadow:4px 4px 4px 4px rgb(19, 183, 132);  
box-shadow:4px 4px 4px 4px rgb(19, 183,  
132) }
```


Background

The CSS property to change the background color of an element to Yxy 35.6714, 0.2525, 0.4215 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(19, 183, 132) }
```

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

```
.background{ background-color: rgb(19, 183,  
132) }
```

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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