

Converting Colors

$Yxy(44.4815, 0.2536, 0.3173)$

Have a look what the booklet for
Yxy(44.4815, 0.2536, 0.3173)
contains.

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Color

Yxy(44.4815, 0.2536, 0.3173)

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 72BEC6 |
| RGB | 114, 190, 198 |
| RGB Percent | 45%, 75%, 78% |
| CMY | 0.5528, 0.2549, 0.2234 |
| CMYK | 0.42, 0.04, 0.00, 0.22 |
| HSL | 186°, 42%, 61% |
| HSV | 186°, 42%, 78% |
| XYZ | 35.5516, 44.4815, 60.1545 |
| YIQ | 168.1880, -47.8640, -13.6240 |

Conversions

Conversions Part 2

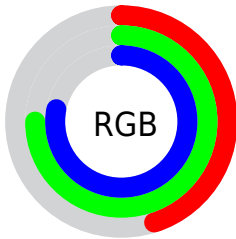
| Format | Color |
|-------------------------------------|---|
| RYB | 114, 154, 198 |
| Decimal | 7519942 |
| CIELab | 72.55, -21.42, -11.44 |
| CIElCh | 73, 24.285, 208.099 |
| Yxy | 44.4815, 0.2536, 0.3173 |
| Android (android.graphics.Color) | 4285710022 (0xFF72BEC6) |
| YUV | 168.1880, 14.6973, -47.5229 |
| Hunter-Lab | 66.6945, -21.5657, -6.7900 |

Details

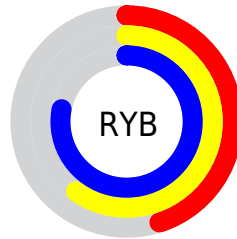
The Yxy color **44.4815, 0.2536, 0.3173** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **27.1615, 0.4169, 0.3400**, and the grayscale version is **39.2044, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.6776, 0.2639, 0.3190**, and **20.5215, 0.2374, 0.3127** is the 20% darker color. If you saturate the color by 10%, you get **42.4803, 0.2428, 0.3141**, and if you desaturate by 10%, it is **46.7843, 0.2659, 0.3204**.

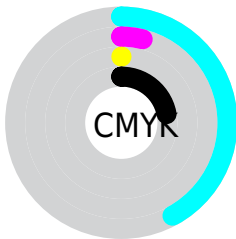
Distribution



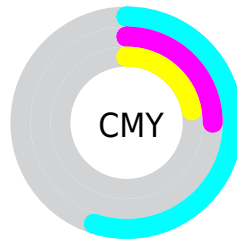
- Red (45%)
- Green (75%)
- Blue (78%)



- Red (45%)
- Yellow (60%)
- Blue (78%)



- Cyan (42%)
- Magenta (4%)
- Yellow (0%)
- Black (22%)



- Cyan (55%)
- Magenta (25%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 44.4815, 0.2536, 0.3173 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 44.4815, 0.2536, 0.3173 by changing the saturation by 10% instead.

■ 44.4815, 0.2536,
0.3173

■ 44.4815, 0.2536,
0.3173

364.6695, 0.2828,
0.3238

■ 31.0492, 0.2465,
0.3155

■ 81.9418, 0.2641,
0.3198

■ 20.6363, 0.2374,
0.3130

■ 106.7386, 0.2681,
0.3207

■ 12.8584, 0.2254,
0.3095

■ 136.0924, 0.2715,
0.3215

■ 7.3311, 0.2092,
0.3043

170.3875, 0.2744,
0.3221

■ 3.6700, 0.1858,
0.2957

210.0084, 0.2769,
0.3226

■ 1.4908, 0.1497,
0.2799

255.3394, 0.2791,

■ 0.2822, 0.0000,

0.3231

0.2021

306.7650, 0.2811,
0.3235

0.0000, 0.0000,
0.0000

44.4815, 0.2536,
0.3173

44.4815, 0.2536,
0.3173

42.4803, 0.2428,
0.3141

46.7843, 0.2659,
0.3204

40.7568, 0.2338,
0.3109

49.4006, 0.2794,
0.3232

39.2916, 0.2267,
0.3076


52.3479, 0.2939,
0.3259

38.0608, 0.2214,
0.3043

55.6409, 0.3090,
0.3284


37.0354, 0.2180,
0.3010


59.2934, 0.3245,
0.3307

 36.3543, 0.2163,
0.2986

 63.3184, 0.3401,
0.3327

 67.7281, 0.3556,
0.3346

 69.0715, 0.3571,
0.3365

 69.9840, 0.3567,
0.3384

Harmonies

Analogous

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



44.4815, 0.2736, 0.3506



44.4815, 0.2536, 0.3173



44.4815, 0.2486, 0.2899

Triad

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



44.4815, 0.2536, 0.3173



44.4815, 0.3180, 0.2857



44.4815, 0.3673, 0.3840

Complementary

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



44.4815, 0.2536, 0.3173



27.1615, 0.4169, 0.3400

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.



44.4815, 0.3811, 0.3631



44.4815, 0.2536, 0.3173



44.4815, 0.3519, 0.3077

Square

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



44.4815, 0.2536, 0.3173



44.4815, 0.2843, 0.2737



44.4815, 0.3755, 0.3354



44.4815, 0.3390, 0.3907

Rectangle

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



44.4815, 0.2536, 0.3173



44.4815, 0.2542, 0.2782



44.4815, 0.3755, 0.3354



44.4815, 0.3738, 0.3782

Sweetspot

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



44.4832, 0.2536, 0.3173



92.2397, 0.2927, 0.3257



45.3623, 0.3023, 0.4482



19.4840, 0.2894, 0.3252



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.



44.4832, 0.2536, 0.3173



75.4155, 0.2435, 0.3143



29.1637, 0.2433, 0.2544



11.8874, 0.2984, 0.3267



23.7034, 0.2164, 0.2990



1.1740, 0.2183, 0.3058

Inverse Universe

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



27.7699, 0.3261, 0.2345



42.3592, 0.3296, 0.2158



39.4310, 0.3931, 0.3930



10.7985, 0.3152, 0.3084



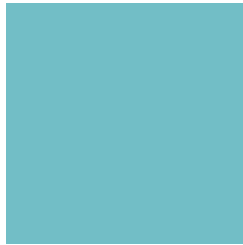
9.9329, 0.3463, 0.1681



0.4755, 0.3404, 0.1649

Previews

White Background



This preview shows how the Yxy color 44.4815, 0.2536, 0.3173 looks on a white background.

Color Contrast Check

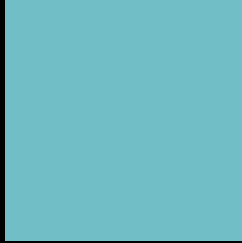
Large Text (above 18pt) WCAG AA × Fail

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 44.4815, 0.2536, 0.3173 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

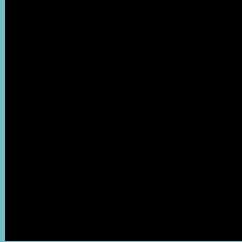
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

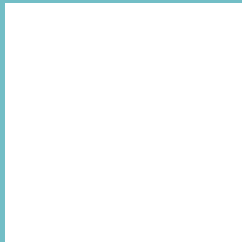
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 44.4815, 0.2536, 0.3173

Background



This preview shows how black text looks on a background with the Yxy color 44.4815, 0.2536, 0.3173.

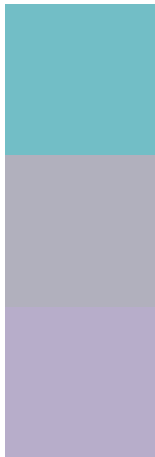


This preview shows how white text looks on a background with the Yxy color 44.4815, 0.2536, 0.3173.

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

44.4815, 0.2536, 0.3173

Protanopia

44.0719, 0.3032, 0.3119

Deuteranopia

44.2187, 0.2981, 0.2921



Tritanopia

44.4678, 0.2511, 0.3076

Trichromacy



Original Color

44.4815, 0.2536, 0.3173

Protanomaly

43.7235, 0.2825, 0.3138

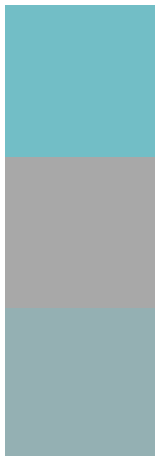
Deuteranomaly

43.7263, 0.2791, 0.2994

Tritanomaly

44.3043, 0.2517, 0.3103

Monochromacy



Original Color

44.4815, 0.2536, 0.3173

Achromatopsia

39.1572, 0.3127, 0.3290

Achromatomaly

40.6012, 0.2868, 0.3246

CSS Examples

Text

The CSS property to change the color of the text to Yxy 44.4815, 0.2536, 0.3173 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(114, 190, 198)` looks like.

```
.text, #text, p{  
    color:rgb(114, 190, 198)  
}
```

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(114, 190, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(114, 190, 198) }
```

Border

The CSS property to change the border of an element to Yxy 44.4815, 0.2536, 0.3173 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(114, 190, 198) }
```

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

```
.border{ border-color:rgb(114, 190, 198) }
```

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

Here you see how a box with a 4 pixel `rgb(114, 190, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(114, 190, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(114, 190, 198);  
box-shadow:4px 4px 4px 4px rgb(114, 190,  
198) }
```


Background

The CSS property to change the background color of an element to Yxy 44.4815, 0.2536, 0.3173 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(114, 190, 198) }
```

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

```
.background{ background-color: rgb(114,  
190, 198) }
```

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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