

Converting Colors

$Y_{xy}(46.1127, 0.2617, 0.3420)$

Have a look what the booklet for
Yxy(46.1127, 0.2617, 0.3420)
contains.

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Color

Yxy(46.1528, 0.2617, 0.3419)

Conversions

Conversions Part 1

Format	Color
Hex	72C3BA
RGB	114, 195, 186
RGB Percent	45%, 76%, 73%
CMY	0.5526, 0.2353, 0.2705
CMYK	0.41, 0.00, 0.05, 0.24
HSL	173°, 40%, 61%
HSV	173°, 41%, 76%
XYZ	35.3267, 46.1528, 53.5097
YIQ	169.7550, -45.3870, -19.9710

Conversions

Conversions Part 2

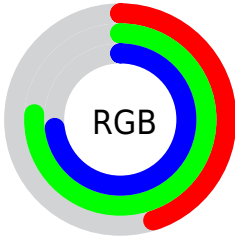
Format	Color
RYB	114, 157, 195
Decimal	7521210
CIELab	73.64, -26.91, -3.27
CIElCh	74, 27.103, 186.929
Yxy	46.1528, 0.2617, 0.3419
Android (android.graphics.Color)	4285711290 (0xFF72C3BA)
YUV	169.7550, 8.0088, -48.8971
Hunter-Lab	67.9359, -26.0677, 0.8553

Details

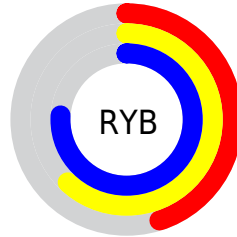
The Yxy color **46.1528, 0.2617, 0.3419** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **25.0859, 0.4059, 0.3171**, and the grayscale version is **40.0570, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.5777, 0.2710, 0.3400**, and **21.6427, 0.2473, 0.3452** is the 20% darker color. If you saturate the color by 10%, you get **44.8910, 0.2527, 0.3455**, and if you desaturate by 10%, it is **47.6984, 0.2723, 0.3384**.

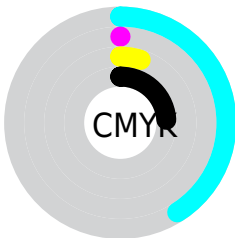
Distribution



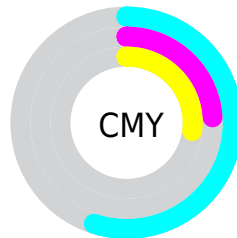
- Red (45%)
- Green (76%)
- Blue (73%)



- Red (45%)
- Yellow (62%)
- Blue (76%)



- Cyan (41%)
- Magenta (0%)
- Yellow (5%)
- Black (24%)




- Cyan (55%)
- Magenta (24%)
- Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 46.1528, 0.2617, 0.3419 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 46.1528, 0.2617, 0.3419 by changing the saturation by 10% instead.


 46.1528, 0.2617,
0.3419


 46.1528, 0.2617,
0.3419


371.4226, 0.2870,
0.3357

 32.3664, 0.2555,
0.3433


 84.4476, 0.2708,
0.3397

 21.6415, 0.2475,
0.3451


 109.7249, 0.2743,
0.3389

 13.5937, 0.2370,
0.3474


 139.6012, 0.2772,
0.3382

 7.8387, 0.2226,
0.3504

174.4609, 0.2797,
0.3376

 3.9919, 0.2015,
0.3545

214.6886, 0.2819,
0.3370

 1.6690, 0.1680,
0.3600

260.6685, 0.2838,

 0.4035, 0.0000,

0.3365

312.7850, 0.2855,
0.3361

0.3766

0.0000, 0.0000,
0.0000

46.1528, 0.2617,
0.3419

46.1528, 0.2617,
0.3419

44.8910, 0.2527,
0.3455

47.6984, 0.2723,
0.3384

43.8897, 0.2454,
0.3493

49.5387, 0.2842,
0.3352

43.1307, 0.2400,
0.3531


51.6904, 0.2970,
0.3322


42.5913, 0.2365,
0.3569


54.1677, 0.3106,
0.3294

42.2443, 0.2348,
0.3607


56.9837, 0.3247,
0.3269

 42.0569, 0.2344,
0.3639

 60.1508, 0.3390,
0.3246

 63.6808, 0.3532,
0.3227

 64.6126, 0.3550,
0.3205

 64.7166, 0.3533,
0.3183

Harmonies

Analogous

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



46.1528, 0.2928, 0.3763



46.1528, 0.2617, 0.3419



46.1528, 0.2445, 0.3058

Triad

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



46.1528, 0.2617, 0.3419



46.1528, 0.2916, 0.2710



46.1528, 0.3857, 0.3741

Complementary

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



46.1528, 0.2617, 0.3419



25.0859, 0.4059, 0.3171

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.



46.1528, 0.3861, 0.3449



46.1528, 0.2617, 0.3419



46.1528, 0.3299, 0.2877

Square

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



46.1528, 0.2617, 0.3419



46.1528, 0.2609, 0.2676



46.1528, 0.3653, 0.3140



46.1528, 0.3648, 0.3937

Rectangle

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



46.1528, 0.2617, 0.3419



46.1528, 0.2424, 0.2867



46.1528, 0.3653, 0.3140



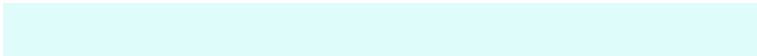
46.1528, 0.3883, 0.3650

Sweetspot

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



46.1546, 0.2617, 0.3419



92.3032, 0.2961, 0.3324



44.4921, 0.3136, 0.4531



20.0948, 0.2944, 0.3328



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.



46.1546, 0.2617, 0.3419



80.5562, 0.2533, 0.3453



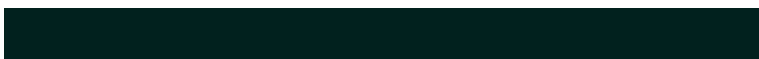
34.0651, 0.2490, 0.2821



11.4086, 0.2999, 0.3315



27.3457, 0.2343, 0.3634



1.1871, 0.2319, 0.3550

Inverse Universe

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



25.0859, 0.4059, 0.3171



37.6589, 0.4394, 0.3149



33.0984, 0.3999, 0.3709



10.0956, 0.3272, 0.3265



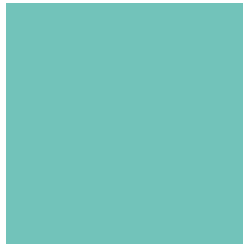
7.5838, 0.6252, 0.3217



0.3339, 0.5814, 0.2977

Previews

White Background



This preview shows how the Yxy color 46.1528, 0.2617, 0.3419 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 46.1528, 0.2617, 0.3419 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

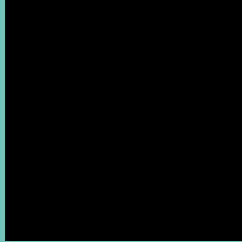
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

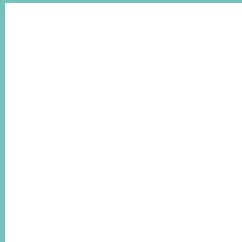
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 46.1528, 0.2617, 0.3419

Background



This preview shows how black text looks on a background with the Yxy color 46.1528, 0.2617, 0.3419.

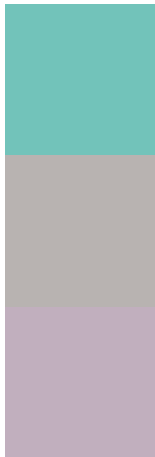


This preview shows how white text looks on a background with the Yxy color 46.1528, 0.2617, 0.3419.

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

46.1528, 0.2617, 0.3419

Protanopia

45.6049, 0.3187, 0.3316

Deuteranopia

45.7151, 0.3162, 0.3101



Tritanopia

46.1973, 0.2524, 0.3080

Trichromacy



Original Color

46.1528, 0.2617, 0.3419

Protanomaly

45.3641, 0.2953, 0.3358

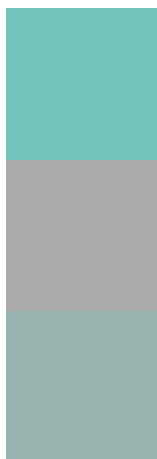
Deuteranomaly

45.0225, 0.2926, 0.3195

Tritanomaly

46.1150, 0.2560, 0.3203

Monochromacy



Original Color

46.1528, 0.2617, 0.3419

Achromatopsia

40.1978, 0.3127, 0.3290

Achromatomaly

41.8588, 0.2908, 0.3332

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.1528, 0.2617, 0.3419 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, 195, 186)` looks like.

```
.text, #text, p{  
    color:rgb(114, 195, 186)  
}
```

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, 195, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(114, 195, 186) }
```

Border

The CSS property to change the border of an element to Yxy 46.1528, 0.2617, 0.3419 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, 195, 186) }
```

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

```
.border{ border-color:rgb(114, 195, 186) }
```

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

Here you see how a box with a 4 pixel `rgb(114, 195, 186)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(114, 195, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(114, 195, 186);  
box-shadow:4px 4px 4px 4px rgb(114, 195,  
186) }
```


Background

The CSS property to change the background color of an element to Yxy 46.1528, 0.2617, 0.3419 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(114, 195, 186) }
```

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

```
.background{ background-color: rgb(114,  
195, 186) }
```

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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