

Converting Colors

Yxy(34.4830, 0.2427, 0.3316)

Have a look what the booklet for
Yxy(34.4830, 0.2427, 0.3316)
contains.

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Color

Yxy(34.6671, 0.2427, 0.3321)

Conversions

Conversions Part 1	
Format	Color
Hex	49AEAC
RGB	73, 174, 172
RGB Percent	29%, 68%, 67%
CMY	0.7134, 0.3177, 0.3255
CMYK	0.58, 0.00, 0.01, 0.32
HSL	179°, 41%, 48%
HSV	179°, 58%, 68%
XYZ	25.3349, 34.6671, 44.3856
YIQ	143.5730, -59.5540, -22.0340

Conversions

Conversions Part 2

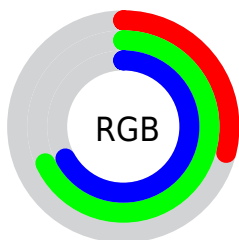
Format	Color
RYB	73, 124, 174
Decimal	4828844
CIELab	65.49, -29.46, -7.80
CIELCh	65, 30.475, 194.823
Yxy	34.6671, 0.2427, 0.3321
Android (android.graphics.Color)	4283018924 (0xFF49AEAC)
YUV	143.5730, 14.0145, -61.8925
Hunter-Lab	58.8788, -26.2314, -3.4804

Details

The Yxy color **34.6671, 0.2427, 0.3321** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **14.2841, 0.4830, 0.3268**, and the grayscale version is **27.6797, 0.3127, 0.3290**.

A 20% lighter version of the original color is **67.0452, 0.2563, 0.3325**, and **15.0308, 0.2253, 0.3311** is the 20% darker color. If you saturate the color by 10%, you get **34.0671, 0.2360, 0.3327**, and if you desaturate by 10%, it is **35.4600, 0.2513, 0.3315**.

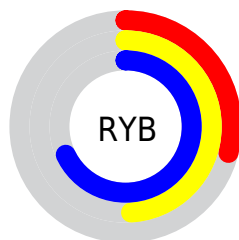
Distribution



Red (29%)

Green (68%)

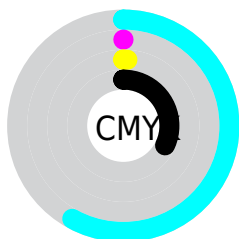
Blue (67%)



Red (29%)

Yellow (49%)

Blue (68%)

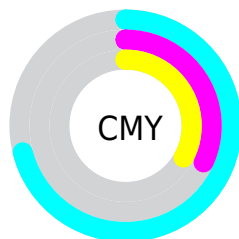


Cyan (58%)

Magenta (0%)

Yellow (1%)

Black (32%)



Cyan (71%)

Magenta (32%)


Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 34.6671, 0.2427, 0.3321 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 34.6671, 0.2427, 0.3321 by changing the saturation by 10% instead.


 34.6671, 0.2427,
0.3321


 34.6671, 0.2427,
0.3321


323.0965, 0.2787,
0.3313


 23.4066, 0.2334,
0.3320


 66.9697, 0.2560,
0.3320

 14.8940, 0.2214,
0.3317


 88.7806, 0.2609,
0.3319


 8.7450, 0.2052,
0.3309


 114.8770, 0.2651,
0.3318

 4.5752, 0.1823,
0.3291

 145.6434, 0.2686,
0.3317

 2.0003, 0.1479,
0.3242

 181.4642, 0.2717,
0.3316

 0.6076, 0.0000,
0.3311


222.7237, 0.2743,


 0.0000, 0.0000,


0.3315

0.0000

269.8063, 0.2766,
0.3314


 34.6671, 0.2427,
0.3321

 34.6671, 0.2427,
0.3321


 34.0671, 0.2360,
0.3327


 35.4600, 0.2513,
0.3315


 33.6397, 0.2311,
0.3334


 36.4561, 0.2616,
0.3309

 33.3672, 0.2281,
0.3340

 37.6699, 0.2734,
0.3304

 33.2184, 0.2266,
0.3346

 39.1134, 0.2866,
0.3298


 33.1932, 0.2263,
0.3347

 40.7975, 0.3008,
0.3294

 42.7327, 0.3158,
0.3289

 44.9287, 0.3312,
0.3285

 47.3947, 0.3468,
0.3282

 50.1396, 0.3624,
0.3279

Harmonies

Analogous

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



34.6671, 0.2764, 0.3781



34.6671, 0.2427, 0.3321



34.6671, 0.2274, 0.2895

Triad

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



34.6671, 0.2427, 0.3321



34.6671, 0.2982, 0.2626



34.6671, 0.3980, 0.3914

Complementary

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



34.6671, 0.2427, 0.3321



14.2841, 0.4830, 0.3268

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.



34.6671, 0.4062, 0.3573



34.6671, 0.2427, 0.3321



34.6671, 0.3462, 0.2861

Square

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



34.6671, 0.2427, 0.3321



34.6671, 0.2575, 0.2536



34.6671, 0.3869, 0.3197



34.6671, 0.3663, 0.4122

Rectangle

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



34.6671, 0.2427, 0.3321



34.6671, 0.2287, 0.2693



34.6671, 0.3869, 0.3197



34.6671, 0.4037, 0.3810

Sweetspot

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



34.6684, 0.2427, 0.3321



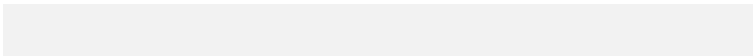
71.1504, 0.2876, 0.3298



32.3072, 0.3063, 0.5112



15.6912, 0.2849, 0.3299



89.0005, 0.3127, 0.3290



17.0645, 0.3127, 0.3290

Same Dimension

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



34.6684, 0.2427, 0.3321



61.5144, 0.2342, 0.3329



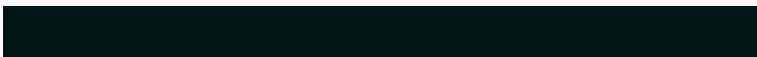
19.6302, 0.2233, 0.2439



9.0693, 0.2989, 0.3294



24.0782, 0.2263, 0.3346



0.6707, 0.2258, 0.3327

Inverse Universe

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



14.2841, 0.4830, 0.3268



20.9251, 0.5450, 0.3269



22.9562, 0.4397, 0.3974



8.0178, 0.3283, 0.3286



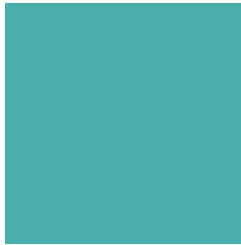
6.5333, 0.6374, 0.3285



0.1826, 0.6258, 0.3221

Previews

White Background



This preview shows how the Yxy color 34.6671, 0.2427, 0.3321 looks on a white background.

Color Contrast Check

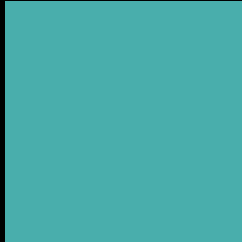
Large Text (above 18pt) WCAG AA × Fail

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 34.6671, 0.2427, 0.3321 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

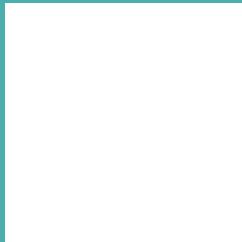
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 34.6671, 0.2427, 0.3321

Background



This preview shows how black text looks on a background with the Yxy color 34.6671, 0.2427, 0.3321.

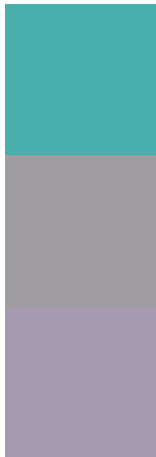


This preview shows how white text looks on a background with the Yxy color 34.6671, 0.2427, 0.3321.

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

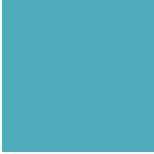
34.6671, 0.2427, 0.3321

Protanopia

34.1962, 0.3111, 0.3217

Deuteranopia

34.2451, 0.3036, 0.2978



Tritanopia

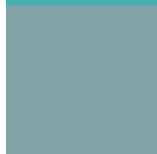
34.7125, 0.2369, 0.3064

Trichromacy



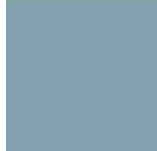
Original Color

34.6671, 0.2427, 0.3321



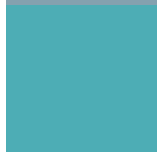
Protanomaly

33.5368, 0.2792, 0.3242



Deuteranomaly

33.4904, 0.2754, 0.3075



Tritanomaly

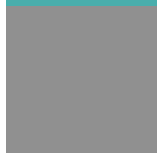
34.8011, 0.2391, 0.3158

Monochromacy



Original Color

34.6671, 0.2427, 0.3321



Achromatopsia

27.8894, 0.3127, 0.3290



Achromatomaly

29.6273, 0.2792, 0.3306

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.6671, 0.2427, 0.3321 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(73, 174, 172)` looks like.

```
.text, #text, p{  
    color:rgb(73, 174, 172)  
}
```

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(73, 174, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(73, 174, 172) }
```

Border

The CSS property to change the border of an element to Yxy 34.6671, 0.2427, 0.3321 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(73, 174, 172) }
```

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

```
.border{ border-color:rgb(73, 174, 172) }
```

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

Here you see how a box with a 4 pixel rgb(73, 174, 172) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(73, 174, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(73, 174, 172);  
box-shadow:4px 4px 4px 4px rgb(73, 174,  
172) }
```


Background

The CSS property to change the background color of an element to Yxy 34.6671, 0.2427, 0.3321 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(73, 174, 172) }
```

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

```
.background{ background-color: rgb(73, 174,  
172) }
```

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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