

Converting Colors

$Yxy(63.3548, 0.2625, 0.3273)$

Have a look what the booklet for
Yxy(63.3548, 0.2625, 0.3273)
contains.

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Color

Yxy(63.4996, 0.2628, 0.3276)

Conversions

Conversions Part 1

Format	Color
Hex	90DEDF
RGB	144, 222, 223
RGB Percent	56%, 87%, 87%
CMY	0.4354, 0.1294, 0.1254
CMYK	0.35, 0.00, 0.00, 0.13
HSL	181°, 55%, 72%
HSV	181°, 35%, 87%
XYZ	50.9392, 63.4996, 79.3939
YIQ	198.7920, -46.8090, -16.2250

Conversions

Conversions Part 2

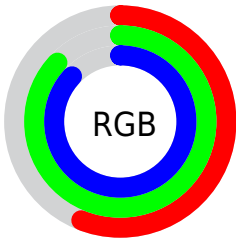
Format	Color
RYB	144, 183, 223
Decimal	9494239
CIELab	83.70, -23.62, -8.11
CIELCh	84, 24.975, 198.947
Yxy	63.4996, 0.2628, 0.3276
Android (android.graphics.Color)	4287684319 (0xFF90DEDF)
YUV	198.7920, 11.9345, -48.0526
Hunter-Lab	79.6866, -25.3465, -3.2915

Details

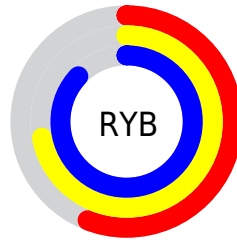
The Yxy color **63.4996, 0.2628, 0.3276** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **37.9467, 0.3970, 0.3305**, and the grayscale version is **56.9244, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.1575, 0.2811, 0.3289**, and **32.5884, 0.2510, 0.3272** is the 20% darker color. If you saturate the color by 10%, you get **61.5381, 0.2517, 0.3272**, and if you desaturate by 10%, it is **65.8630, 0.2754, 0.3280**.

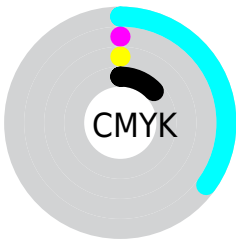
Distribution



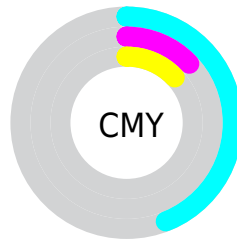
- Red (56%)
- Green (87%)
- Blue (87%)



- Red (56%)
- Yellow (72%)
- Blue (87%)



- Cyan (35%)
- Magenta (0%)
- Yellow (0%)
- Black (13%)





- Cyan (44%)
- Magenta (13%)
- Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 63.4996, 0.2628, 0.3276 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 63.4996, 0.2628, 0.3276 by changing the saturation by 10% instead.


 63.4996, 0.2628,
0.3276


 63.4996, 0.2628,
0.3276

437.3804, 0.2861,
0.3287

 46.2455, 0.2574,
0.3272


 109.8900, 0.2709,
0.3281

 32.4396, 0.2508,
0.3267


 139.7950, 0.2741,
0.3282

 21.6975, 0.2423,
0.3260


174.6858, 0.2768,
0.3284

 13.6348, 0.2313,
0.3248

214.9468, 0.2791,
0.3285

 7.8671, 0.2161,
0.3228

260.9624, 0.2812,
0.3285

 4.0100, 0.1943,
0.3193

313.1169, 0.2830,

 1.6792, 0.1607,

0.3286

0.3117

371.7948, 0.2847,
0.3287

0.4101, 0.0000,
0.2879

0.0000, 0.0000,
0.0000

63.4996, 0.2628,
0.3276

63.4996, 0.2628,
0.3276

61.5381, 0.2517,
0.3272

65.8630, 0.2754,
0.3280

59.9475, 0.2424,
0.3267

68.6422, 0.2894,
0.3284

58.7043, 0.2350,
0.3263

71.8599, 0.3043,
0.3288

57.7794, 0.2296,
0.3259

75.5346, 0.3199,
0.3292

■ 57.1385, 0.2260,
0.3254

■ 79.5936, 0.3356,
0.3295

■ 56.7400, 0.2241,
0.3250

■ 79.7459, 0.3355,
0.3298

■ 56.6064, 0.2236,
0.3248

■ 79.8986, 0.3355,
0.3301

■ 80.0514, 0.3355,
0.3303

■ 80.2046, 0.3354,
0.3306

Harmonies

Analogous

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



63.4996, 0.2849, 0.3575



63.4996, 0.2628, 0.3276



63.4996, 0.2537, 0.3000

Triad

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



63.4996, 0.2628, 0.3276



63.4996, 0.3078, 0.2847



63.4996, 0.3682, 0.3747

Complementary

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



63.4996, 0.2628, 0.3276



37.9467, 0.3970, 0.3305

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.



63.4996, 0.3755, 0.3531



63.4996, 0.2628, 0.3276



63.4996, 0.3397, 0.3026

Square

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



63.4996, 0.2628, 0.3276



63.4996, 0.2787, 0.2772



63.4996, 0.3650, 0.3270



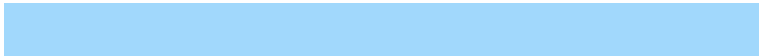
63.4996, 0.3457, 0.3851

Rectangle

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



63.4996, 0.2628, 0.3276



63.4996, 0.2559, 0.2868



63.4996, 0.3650, 0.3270



63.4996, 0.3725, 0.3684

Sweetspot

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



63.5021, 0.2628, 0.3276



94.8349, 0.2958, 0.3286



60.7229, 0.3077, 0.4354



20.1735, 0.2937, 0.3285



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.



63.5021, 0.2628, 0.3276



83.9034, 0.2539, 0.3273



45.3255, 0.2559, 0.2771



15.5408, 0.2982, 0.3287



33.2921, 0.2236, 0.3249



2.3174, 0.2238, 0.3255

Inverse Universe

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



40.9020, 0.3177, 0.2425



48.7483, 0.3188, 0.2245



51.7736, 0.3808, 0.3755



13.9325, 0.3140, 0.3062



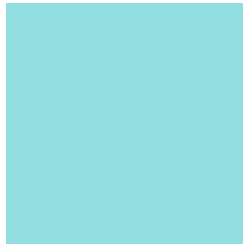
12.2689, 0.3241, 0.1559



0.8514, 0.3236, 0.1556

Previews

White Background



This preview shows how the Yxy color 63.4996, 0.2628, 0.3276 looks on a white background.

Color Contrast Check

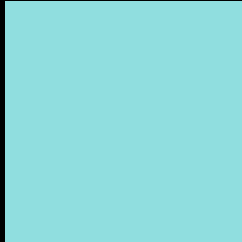
Large Text (above 18pt) WCAG AA × Fail

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 63.4996, 0.2628, 0.3276 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

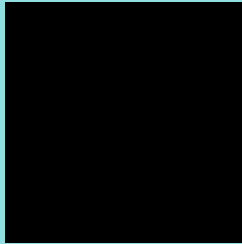
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

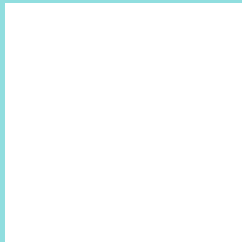
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 63.4996, 0.2628, 0.3276

Background



This preview shows how black text looks on a background with the Yxy color 63.4996, 0.2628, 0.3276.

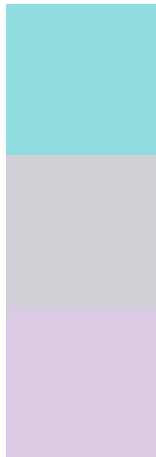


This preview shows how white text looks on a background with the Yxy color 63.4996, 0.2628, 0.3276.

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

63.4996, 0.2628, 0.3276

Protanopia

63.1823, 0.3101, 0.3210

Deuteranopia

62.8472, 0.3080, 0.3015



Tritanopia

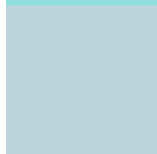
63.5967, 0.2574, 0.3083

Trichromacy



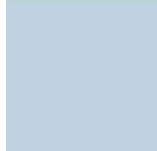
Original Color

63.4996, 0.2628, 0.3276



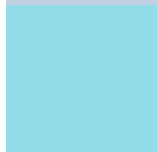
Protanomaly

62.5358, 0.2909, 0.3230



Deuteranomaly

62.2984, 0.2892, 0.3092



Tritanomaly

63.7421, 0.2596, 0.3154

Monochromacy



Original Color

63.4996, 0.2628, 0.3276



Achromatopsia

57.1125, 0.3127, 0.3290



Achromatomaly

58.7634, 0.2916, 0.3277

CSS Examples

Text

The CSS property to change the color of the text to Yxy 63.4996, 0.2628, 0.3276 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(144, 222, 223)` looks like.

```
.text, #text, p{  
    color:rgb(144, 222, 223)  
}
```

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(144, 222, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 222, 223) }
```

Border

The CSS property to change the border of an element to Yxy 63.4996, 0.2628, 0.3276 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(144, 222, 223) }
```

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

```
.border{ border-color:rgb(144, 222, 223) }
```

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

Here you see how a box with a 4 pixel rgb(144, 222, 223) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(144, 222, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(144, 222, 223);  
box-shadow:4px 4px 4px 4px rgb(144, 222,  
223) }
```


Background

The CSS property to change the background color of an element to Yxy 63.4996, 0.2628, 0.3276 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 222, 223) }
```

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

```
.background{ background-color: rgb(144,  
222, 223) }
```

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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