

Converting Colors

$Yxy(63.4995, 0.2772, 0.3217)$

Have a look what the booklet for
Yxy(63.4995, 0.2772, 0.3217)
contains.

Yxy(63.4995, 0.2772, 0.3217)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(63.4995, 0.2772, 0.3217)

Conversions

Conversions Part 1

Format	Color
Hex	AAD9DF
RGB	170, 217, 223
RGB Percent	67%, 85%, 87%
CMY	0.3331, 0.1490, 0.1256
CMYK	0.24, 0.03, 0.00, 0.13
HSL	187°, 45%, 77%
HSV	187°, 24%, 87%
XYZ	54.7158, 63.4995, 79.1721
YIQ	203.6310, -29.9380, -8.0980

Conversions

Conversions Part 2

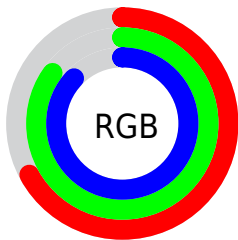
Format	Color
RYB	170, 195, 223
Decimal	11196895
CIELab	83.70, -13.82, -7.94
CIELCh	84, 15.942, 209.878
Yxy	63.4995, 0.2772, 0.3217
Android (android.graphics.Color)	4289386975 (0xFFAAD9DF)
YUV	203.6310, 9.5489, -29.4944
Hunter-Lab	79.6866, -16.8868, -3.1266

Details

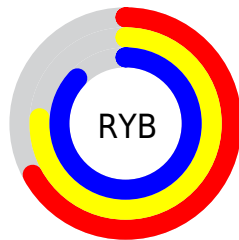
The Yxy color **63.4995, 0.2772, 0.3217** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **49.6561, 0.3603, 0.3362**, and the grayscale version is **60.0981, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.9088, 0.2952, 0.3289**, and **32.3808, 0.2681, 0.3192** is the 20% darker color. If you saturate the color by 10%, you get **59.9327, 0.2636, 0.3182**, and if you desaturate by 10%, it is **67.5129, 0.2917, 0.3250**.

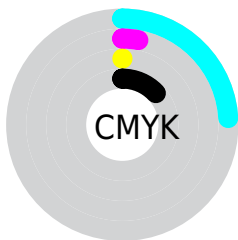
Distribution



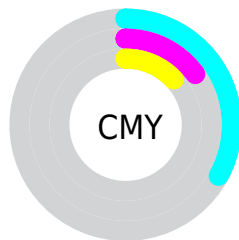
- Red (67%)
- Green (85%)
- Blue (87%)



- Red (67%)
- Yellow (76%)
- Blue (87%)



- Cyan (24%)
- Magenta (3%)
- Yellow (0%)
- Black (13%)





- Cyan (33%)
- Magenta (15%)
- Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 63.4995, 0.2772, 0.3217 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 63.4995, 0.2772, 0.3217 by changing the saturation by 10% instead.

 63.4995, 0.2772,
0.3217

 63.4995, 0.2772,
0.3217

437.3800, 0.2939,
0.3254

 46.2454, 0.2733,
0.3208


 109.8898, 0.2830,
0.3230

 32.4395, 0.2685,
0.3196


139.7948, 0.2853,
0.3236

 21.6974, 0.2624,
0.3180


174.6856, 0.2872,
0.3240

 13.6348, 0.2544,
0.3158

214.9466, 0.2889,
0.3243

 7.8671, 0.2433,
0.3126

260.9621, 0.2904,
0.3247

 4.0100, 0.2270,
0.3075

313.1166, 0.2917,

 1.6792, 0.2012,

0.3249

0.2983

371.7944, 0.2928,
0.3252

0.4101, 0.0357,
0.2800

0.0000, 0.0000,
0.0000

63.4995, 0.2772,
0.3217

63.4995, 0.2772,
0.3217

59.9327, 0.2636,
0.3182

67.5129, 0.2917,
0.3250

56.7833, 0.2513,
0.3145

71.9849, 0.3069,
0.3280

54.0308, 0.2406,
0.3107

76.9368, 0.3225,
0.3307

51.6497, 0.2316,
0.3068

81.5719, 0.3351,
0.3332

■ 49.6111, 0.2245,
0.3028

■ 82.9626, 0.3348,
0.3357

■ 47.8821, 0.2193,
0.2989

■ 84.3737, 0.3345,
0.3382

■ 46.4223, 0.2160,
0.2950

■ 85.8052, 0.3341,
0.3406

■ 45.6044, 0.2146,
0.2925

■ 87.2571, 0.3338,
0.3431

■ 88.7296, 0.3335,
0.3456

Harmonies

Analogous

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



63.4995, 0.2889, 0.3405



63.4995, 0.2772, 0.3217



63.4995, 0.2747, 0.3057

Triad

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



63.4995, 0.2772, 0.3217



63.4995, 0.3173, 0.3037



63.4995, 0.3440, 0.3618

Complementary

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



63.4995, 0.2772, 0.3217



49.6561, 0.3603, 0.3362

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.



63.4995, 0.3522, 0.3507



63.4995, 0.2772, 0.3217



63.4995, 0.3366, 0.3175

Square

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



63.4995, 0.2772, 0.3217



63.4995, 0.2973, 0.2961



63.4995, 0.3496, 0.3345



63.4995, 0.3274, 0.3642

Rectangle

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



63.4995, 0.2772, 0.3217



63.4995, 0.2785, 0.2988



63.4995, 0.3496, 0.3345



63.4995, 0.3479, 0.3589

Sweetspot

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



63.5021, 0.2772, 0.3217



95.4887, 0.3018, 0.3270



64.4271, 0.3063, 0.3889



20.3585, 0.3009, 0.3268



0.0000, 0.0000, 0.0000



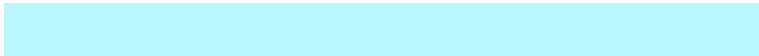
21.4041, 0.3127, 0.3290

Same Dimension

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



63.5021, 0.2772, 0.3217



83.8353, 0.2710, 0.3202



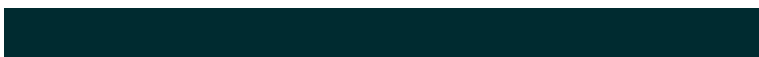
51.2385, 0.2746, 0.2896



15.2936, 0.2982, 0.3263



26.9247, 0.2148, 0.2931



1.9426, 0.2164, 0.2991

Inverse Universe

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



49.4640, 0.3204, 0.2764



62.0857, 0.3220, 0.2663



60.7420, 0.3536, 0.3655



13.9075, 0.3155, 0.3085



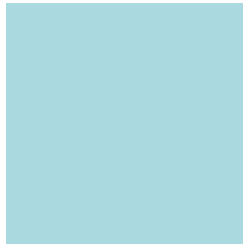
11.6261, 0.3515, 0.1710



0.8136, 0.3462, 0.1681

Previews

White Background



This preview shows how the Yxy color 63.4995, 0.2772, 0.3217 looks on a white background.

Color Contrast Check

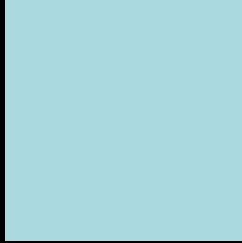
Large Text (above 18pt) WCAG AA × Fail

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 63.4995, 0.2772, 0.3217 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

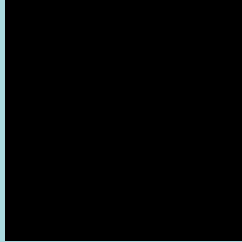
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

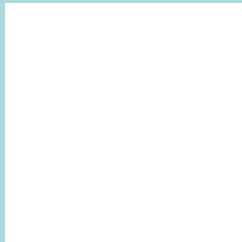
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 63.4995, 0.2772, 0.3217

Background



This preview shows how black text looks on a background with the Yxy color 63.4995, 0.2772, 0.3217.



This preview shows how white text looks on a background with the Yxy color 63.4995, 0.2772, 0.3217.

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

63.4995, 0.2772, 0.3217

Protanopia

63.1907, 0.3073, 0.3176

Deuteranopia

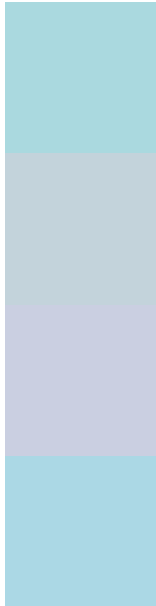
62.9477, 0.3094, 0.3026



Tritanopia

63.2547, 0.2724, 0.3076

Trichromacy



Original Color

63.4995, 0.2772, 0.3217

Protanomaly

63.3051, 0.2958, 0.3197

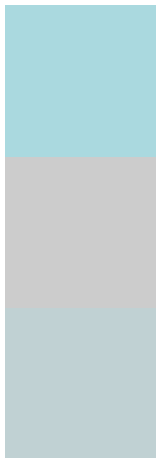
Deuteranomaly

62.6184, 0.2968, 0.3084

Tritanomaly

63.4268, 0.2742, 0.3134

Monochromacy



Original Color

63.4995, 0.2772, 0.3217

Achromatopsia

60.3827, 0.3127, 0.3290

Achromatomaly

61.5105, 0.2989, 0.3266

CSS Examples

Text

The CSS property to change the color of the text to Yxy 63.4995, 0.2772, 0.3217 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(170, 217, 223)` looks like.

```
.text, #text, p{  
    color:rgb(170, 217, 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(170, 217, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 217, 223) }
```

Border

The CSS property to change the border of an element to Yxy 63.4995, 0.2772, 0.3217 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(170, 217, 223) }
```

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

```
.border{ border-color:rgb(170, 217, 223) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 217, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 217, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 217, 223);  
box-shadow:4px 4px 4px 4px rgb(170, 217,  
223) }
```


Background

The CSS property to change the background color of an element to Yxy 63.4995, 0.2772, 0.3217 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 217, 223) }
```

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

```
.background{ background-color: rgb(170,  
217, 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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