

Converting Colors

$Yxy(60.5703, 0.2288, 0.3129)$

Have a look what the booklet for
Yxy(60.5703, 0.2288, 0.3129)
contains.

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Color

Yxy(60.6695, 0.2288, 0.3132)

Conversions

Conversions Part 1

Format	Color
Hex	46E0EC
RGB	70, 224, 236
RGB Percent	27%, 88%, 93%
CMY	0.7254, 0.1216, 0.0746
CMYK	0.70, 0.05, 0.00, 0.07
HSL	184°, 81%, 60%
HSV	184°, 70%, 93%
XYZ	44.3205, 60.6695, 88.7185
YIQ	179.3220, -95.6360, -28.9160

Conversions

Conversions Part 2

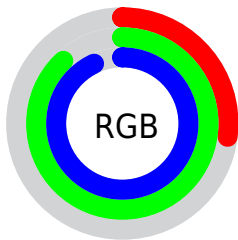
Format	Color
RYB	70, 150, 236
Decimal	4645100
CIELab	82.20, -35.55, -17.49
CIELCh	82, 39.622, 206.195
Yxy	60.6695, 0.2288, 0.3132
Android (android.graphics.Color)	4282835180 (0xFF46E0EC)
YUV	179.3220, 27.9423, -95.8754
Hunter-Lab	77.8906, -34.7404, -13.0087

Details

The Yxy color **60.6695, 0.2288, 0.3132** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light muted cyan. A complement of this color would be **24.3080, 0.5416, 0.3401**, and the grayscale version is **45.1503, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.3154, 0.2520, 0.3288**, and **31.3006, 0.2189, 0.3081** is the 20% darker color. If you saturate the color by 10%, you get **59.0484, 0.2236, 0.3107**, and if you desaturate by 10%, it is **62.6489, 0.2360, 0.3157**.

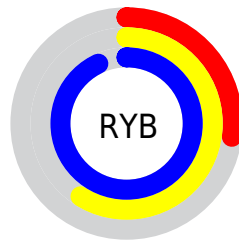
Distribution



Red (27%)

Green (88%)

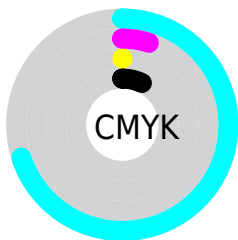
Blue (93%)



Red (27%)

Yellow (59%)

Blue (93%)

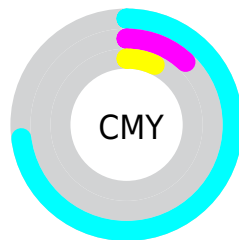


Cyan (70%)

Magenta (5%)

Yellow (0%)

Black (7%)



Cyan (73%)


Magenta (12%)


Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 60.6695, 0.2288, 0.3132 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 60.6695, 0.2288, 0.3132 by changing the saturation by 10% instead.

 60.6695, 0.2288,
0.3132


 60.6695, 0.2288,
0.3132


427.0612, 0.2676,
0.3220


 43.9585, 0.2200,
0.3108


 105.8003, 0.2422,
0.3166

 30.6379, 0.2093,
0.3077


 134.9888, 0.2474,
0.3178

 20.3233, 0.1959,
0.3034


 169.1053, 0.2519,
0.3188

 12.6302, 0.1786,
0.2973

 208.5342, 0.2559,
0.3196

 7.1744, 0.1559,
0.2880

253.6598, 0.2593,
0.3204

 3.5714, 0.1250,
0.2728

304.8666, 0.2624,

 1.4368, 0.0719,

0.3210

0.2483

362.5389, 0.2651,
0.3215

0.2436, 0.0000,
0.1330

0.0000, 0.0000,
0.0000

60.6695, 0.2288,
0.3132

60.6695, 0.2288,
0.3132

59.0484, 0.2236,
0.3107

62.6489, 0.2360,
0.3157

57.7357, 0.2202,
0.3083

65.0159, 0.2451,
0.3181


56.6918, 0.2183,
0.3059


67.8043, 0.2560,
0.3205

71.0425, 0.2684,
0.3229

 74.7562, 0.2821,
0.3250

 78.9692, 0.2968,
0.3271

 83.7037, 0.3122,
0.3289

 88.2505, 0.3254,
0.3307

 89.2452, 0.3252,
0.3323

Harmonies

Analogous

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



60.6695, 0.2578, 0.3640



60.6695, 0.2288, 0.3132



60.6695, 0.2209, 0.2728

Triad

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



60.6695, 0.2288, 0.3132



60.6695, 0.3163, 0.2658



60.6695, 0.3938, 0.4067

Complementary

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



60.6695, 0.2288, 0.3132



24.3080, 0.5416, 0.3401

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.



60.6695, 0.4136, 0.3737



60.6695, 0.2288, 0.3132



60.6695, 0.3673, 0.2956

Square

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



60.6695, 0.2288, 0.3132



60.6695, 0.2682, 0.2499



60.6695, 0.4041, 0.3338



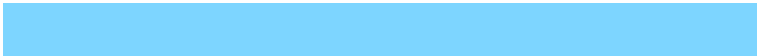
60.6695, 0.3527, 0.4212

Rectangle

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



60.6695, 0.2288, 0.3132



60.6695, 0.2277, 0.2564



60.6695, 0.4041, 0.3338



60.6695, 0.4033, 0.3971

Sweetspot

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



60.6718, 0.2288, 0.3132



88.7783, 0.2810, 0.3249



61.8804, 0.2987, 0.5436



18.7295, 0.2771, 0.3243



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.



60.6718, 0.2288, 0.3132



69.7353, 0.2220, 0.3097



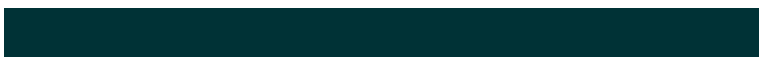
26.6865, 0.1994, 0.1947



16.9248, 0.2981, 0.3272



31.3362, 0.2184, 0.3063



2.5164, 0.2194, 0.3097

Inverse Universe

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



27.5956, 0.3326, 0.1827



29.0959, 0.3365, 0.1697



44.8481, 0.4634, 0.4243



15.2939, 0.3149, 0.3074



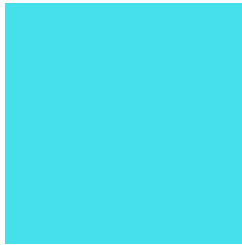
12.6562, 0.3399, 0.1646



0.9994, 0.3370, 0.1630

Previews

White Background



This preview shows how the Yxy color 60.6695, 0.2288, 0.3132 looks on a white background.

Color Contrast Check

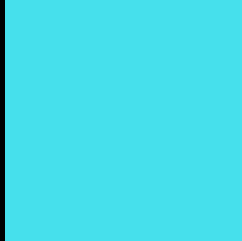
Large Text (above 18pt) WCAG AA × Fail

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 60.6695, 0.2288, 0.3132 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 60.6695, 0.2288, 0.3132

Background



This preview shows how black text looks on a background with the Yxy color 60.6695, 0.2288, 0.3132.



This preview shows how white text looks on a background with the Yxy color 60.6695, 0.2288, 0.3132.

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

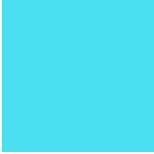
60.6695, 0.2288, 0.3132

Protanopia

59.4647, 0.2980, 0.3047

Deuteranopia

59.6363, 0.2869, 0.2799



Tritanopia

60.5427, 0.2272, 0.3056

Trichromacy



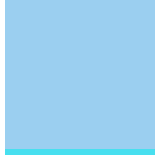
Original Color

60.6695, 0.2288, 0.3132



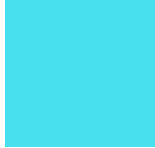
Protanomaly

57.9193, 0.2636, 0.3065



Deuteranomaly

57.8855, 0.2574, 0.2889



Tritanomaly

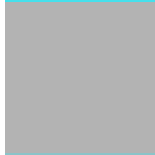
60.3851, 0.2278, 0.3081

Monochromacy



Original Color

60.6695, 0.2288, 0.3132



Achromatopsia

45.0786, 0.3127, 0.3290



Achromatomaly

48.6893, 0.2685, 0.3221

CSS Examples

Text

The CSS property to change the color of the text to Yxy 60.6695, 0.2288, 0.3132 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(70, 224, 236)` looks like.

```
.text, #text, p{  
    color:rgb(70, 224, 236)  
}
```

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(70, 224, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(70, 224, 236) }
```

Border

The CSS property to change the border of an element to Yxy 60.6695, 0.2288, 0.3132 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(70, 224, 236) }
```

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

```
.border{ border-color:rgb(70, 224, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(70, 224, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(70, 224, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(70, 224, 236);  
box-shadow:4px 4px 4px 4px rgb(70, 224,  
236) }
```


Background

The CSS property to change the background color of an element to Yxy 60.6695, 0.2288, 0.3132 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(70, 224, 236) }
```

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

```
.background{ background-color: rgb(70, 224,  
236) }
```

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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