

Converting Colors

$Y_{xy}(60.3039, 0.2459, 0.3024)$

Have a look what the booklet for
Yxy(60.3039, 0.2459, 0.3024)
contains.

Yxy(60.3108, 0.2459, 0.3027)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(60.3108, 0.2459, 0.3027)

Conversions

Conversions Part 1

Format	Color
Hex	7FD9EE
RGB	127, 217, 238
RGB Percent	50%, 85%, 93%
CMY	0.5020, 0.1490, 0.0667
CMYK	0.47, 0.09, 0.00, 0.07
HSL	191°, 77%, 72%
HSV	191°, 47%, 93%
XYZ	48.9938, 60.3108, 89.9382
YIQ	192.4840, -60.3810, -12.5490

Conversions

Conversions Part 2

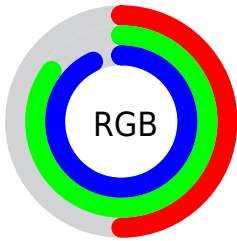
Format	Color
R _Y B	127, 177, 238
Decimal	8378862
CIE Lab	82.01, -21.54, -18.68
CIE LCh	82, 28.511, 220.925
Yxy	60.3108, 0.2459, 0.3027
Android (android.graphics.Color)	4286568942 (0xFF7FD9EE)
YUV	192.4840, 22.4394, -57.4295
Hunter-Lab	77.6600, -23.2938, -14.3018

Details

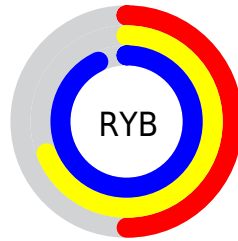
The Yxy color **60.3108, 0.2459, 0.3027** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **40.8749, 0.4286, 0.3527**, and the grayscale version is **52.9010, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.0543, 0.2726, 0.3289**, and **30.4114, 0.2300, 0.2953** is the 20% darker color. If you saturate the color by 10%, you get **56.4094, 0.2347, 0.2961**, and if you desaturate by 10%, it is **64.7115, 0.2586, 0.3091**.

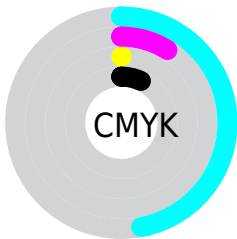
Distribution



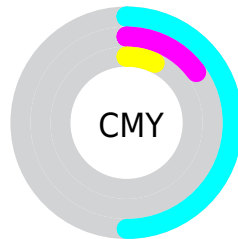
- Red (50%)
- Green (85%)
- Blue (93%)



- Red (50%)
- Yellow (69%)
- Blue (93%)



- Cyan (47%)
- Magenta (9%)
- Yellow (0%)
- Black (7%)





- Cyan (50%)
- Magenta (15%)
- Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 60.3108, 0.2459, 0.3027 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 60.3108, 0.2459, 0.3027 by changing the saturation by 10% instead.


 60.3108, 0.2459,
0.3027

 60.3108, 0.2459,
0.3027


425.7424, 0.2770,
0.3160

 43.6692, 0.2388,
0.2994

 105.2804, 0.2567,
0.3075

 30.4105, 0.2300,
0.2952


 134.3772, 0.2609,
0.3093

 20.1504, 0.2190,
0.2897


 168.3945, 0.2645,
0.3109

 12.5044, 0.2046,
0.2821

207.7167, 0.2677,
0.3122

 7.0882, 0.1853,
0.2711

252.7282, 0.2704,
0.3133

 3.5173, 0.1583,
0.2543

303.8134, 0.2729,

 1.4074, 0.1183,

0.3143

0.2258

361.3566, 0.2751,
0.3152

0.2222, 0.0000,
0.1172

0.0000, 0.0000,
0.0000

60.3108, 0.2459,
0.3027

60.3108, 0.2459,
0.3027

56.4094, 0.2347,
0.2961

64.7115, 0.2586,
0.3091

52.9690, 0.2252,
0.2892


69.6329, 0.2725,
0.3151

49.9566, 0.2176,
0.2823


75.1033, 0.2872,
0.3207


47.3305, 0.2121,
0.2754


81.1469, 0.3024,
0.3258

 45.0388, 0.2083,
0.2686

 87.7862, 0.3179,
0.3305

 44.3163, 0.2073,
0.2663

 92.1316, 0.3236,
0.3349

 94.8716, 0.3232,
0.3392

 97.6782, 0.3228,
0.3435

 98.9524, 0.3226,
0.3454

Harmonies

Analogous

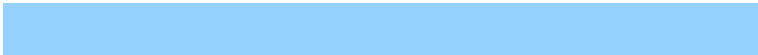
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



60.3108, 0.2605, 0.3367



60.3108, 0.2459, 0.3027



60.3108, 0.2479, 0.2789

Triad

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



60.3108, 0.2459, 0.3027



60.3108, 0.3342, 0.2921



60.3108, 0.3591, 0.3926

Complementary

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



60.3108, 0.2459, 0.3027



40.8749, 0.4286, 0.3527

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.



60.3108, 0.3813, 0.3757



60.3108, 0.2459, 0.3027



60.3108, 0.3670, 0.3185

Square

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



60.3108, 0.2459, 0.3027



60.3108, 0.2971, 0.2745



60.3108, 0.3845, 0.3485



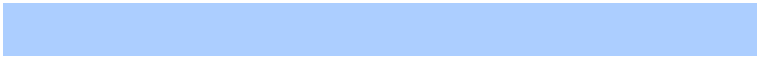
60.3108, 0.3251, 0.3917

Rectangle

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



60.3108, 0.2459, 0.3027



60.3108, 0.2583, 0.2709



60.3108, 0.3845, 0.3485



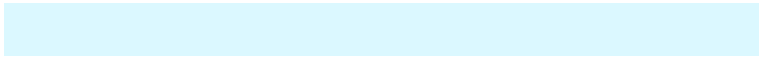
60.3108, 0.3682, 0.3887

Sweetspot

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



60.3131, 0.2459, 0.3027



89.6169, 0.2911, 0.3221



67.7703, 0.2957, 0.4492



18.8651, 0.2878, 0.3209



0.0000, 0.0000, 0.0000



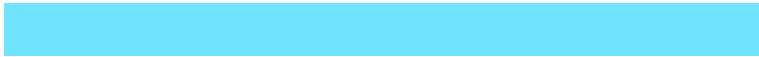
21.4041, 0.3127, 0.3290

Same Dimension

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



60.3131, 0.2459, 0.3027



66.1707, 0.2351, 0.2963



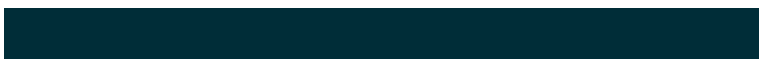
36.5708, 0.2325, 0.2290



17.3914, 0.2981, 0.3244



24.9071, 0.2076, 0.2673



2.2014, 0.2101, 0.2764

Inverse Universe

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



38.3594, 0.3379, 0.2341



38.4946, 0.3446, 0.2173



62.3418, 0.3983, 0.4110



15.9772, 0.3167, 0.3101



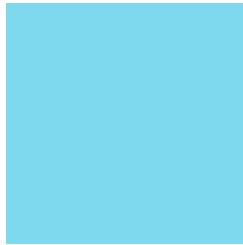
12.3077, 0.3753, 0.1841



1.0370, 0.3669, 0.1795

Previews

White Background



This preview shows how the Yxy color 60.3108, 0.2459, 0.3027 looks on a white background.

Color Contrast Check

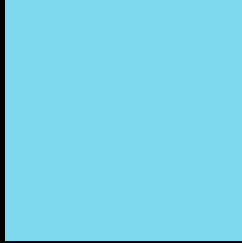
Large Text (above 18pt) WCAG AA × Fail

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 60.3108, 0.2459, 0.3027 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

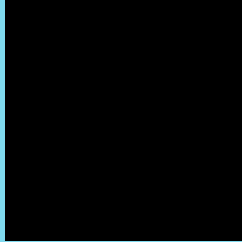
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 60.3108, 0.2459, 0.3027

Background



This preview shows how black text looks on a background with the Yxy color 60.3108, 0.2459, 0.3027.



This preview shows how white text looks on a background with the Yxy color 60.3108, 0.2459, 0.3027.

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

60.3108, 0.2459, 0.3027

Protanopia

59.5168, 0.2926, 0.2979

Deuteranopia

59.4955, 0.2862, 0.2798



Tritanopia

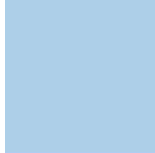
60.0595, 0.2469, 0.3063

Trichromacy



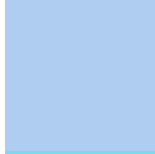
Original Color

60.3108, 0.2459, 0.3027



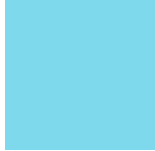
Protanomaly

59.3361, 0.2728, 0.2991



Deuteranomaly

59.1275, 0.2686, 0.2867



Tritanomaly

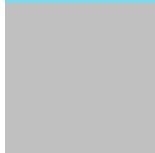
60.1175, 0.2464, 0.3050

Monochromacy



Original Color

60.3108, 0.2459, 0.3027



Achromatopsia

52.7115, 0.3127, 0.3290



Achromatomaly

54.7016, 0.2829, 0.3188

CSS Examples

Text

The CSS property to change the color of the text to Yxy 60.3108, 0.2459, 0.3027 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(127, 217, 238)` looks like.

```
.text, #text, p{  
    color:rgb(127, 217, 238)  
}
```

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(127, 217, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 217, 238) }
```

Border

The CSS property to change the border of an element to Yxy 60.3108, 0.2459, 0.3027 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(127, 217, 238) }
```

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

```
.border{ border-color:rgb(127, 217, 238) }
```

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

Here you see how a box with a 4 pixel `rgb(127, 217, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 217, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 217, 238);  
box-shadow:4px 4px 4px 4px rgb(127, 217,  
238) }
```


Background

The CSS property to change the background color of an element to Yxy 60.3108, 0.2459, 0.3027 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 217, 238) }
```

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

```
.background{ background-color: rgb(127,  
217, 238) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor