

Converting Colors

$Y_{xy}(60.8222, 0.2512, 0.3049)$

Have a look what the booklet for
Yxy(60.8222, 0.2512, 0.3049)
contains.

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Color

Yxy(60.9161, 0.2512, 0.3053)

Conversions

Conversions Part 1

Format	Color
Hex	88D9EC
RGB	136, 217, 236
RGB Percent	53%, 85%, 93%
CMY	0.4662, 0.1491, 0.0744
CMYK	0.42, 0.08, 0.00, 0.07
HSL	191°, 72%, 73%
HSV	191°, 42%, 93%
XYZ	50.1216, 60.9161, 88.4910
YIQ	194.9470, -54.3750, -11.2630

Conversions

Conversions Part 2

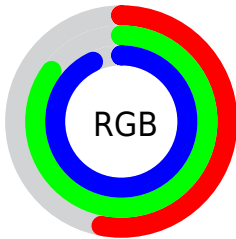
Format	Color
RYB	136, 181, 236
Decimal	8968684
CIELab	82.33, -19.90, -17.10
CIELCh	82, 26.237, 220.678
Yxy	60.9161, 0.2512, 0.3053
Android (android.graphics.Color)	4287158764 (0xFF88D9EC)
YUV	194.9470, 20.2391, -51.6965
Hunter-Lab	78.0488, -21.9557, -12.5883

Details

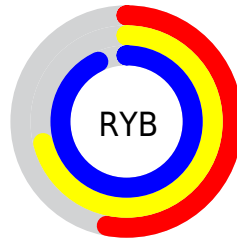
The Yxy color **60.9161, 0.2512, 0.3053** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **43.1094, 0.4134, 0.3508**, and the grayscale version is **54.4570, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.0775, 0.2768, 0.3289**, and **30.7982, 0.2367, 0.2990** is the 20% darker color. If you saturate the color by 10%, you get **56.8662, 0.2393, 0.2987**, and if you desaturate by 10%, it is **65.4691, 0.2645, 0.3116**.

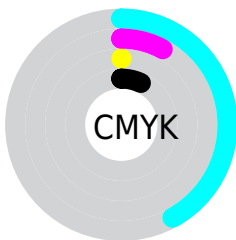
Distribution



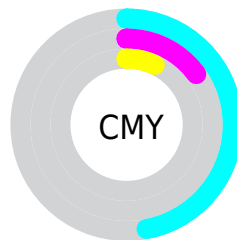
- Red (53%)
- Green (85%)
- Blue (93%)



- Red (53%)
- Yellow (71%)
- Blue (93%)



- Cyan (42%)
- Magenta (8%)
- Yellow (0%)
- Black (7%)





- Cyan (47%)
- Magenta (15%)
- Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 60.9161, 0.2512, 0.3053 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 60.9161, 0.2512, 0.3053 by changing the saturation by 10% instead.

 60.9161, 0.2512,
0.3053


 60.9161, 0.2512,
0.3053


427.9663, 0.2799,
0.3172


 44.1575, 0.2446,
0.3023


 106.1574, 0.2612,
0.3096

 30.7943, 0.2365,
0.2986


 135.4089, 0.2650,
0.3112

 20.4423, 0.2263,
0.2936


 169.5935, 0.2684,
0.3126

 12.7169, 0.2129,
0.2868

209.0956, 0.2713,
0.3138

 7.2339, 0.1949,
0.2771

254.2995, 0.2738,
0.3148

 3.6088, 0.1694,
0.2619

305.5896, 0.2761,

 1.4572, 0.1315,

0.3157

0.2360

363.3504, 0.2781,
0.3165

0.2583, 0.0000,
0.1411

0.0000, 0.0000,
0.0000

60.9161, 0.2512,
0.3053

60.9161, 0.2512,
0.3053

56.8662, 0.2393,
0.2987

65.4691, 0.2645,
0.3116

53.2830, 0.2290,
0.2919


70.5449, 0.2787,
0.3175


50.1360, 0.2206,
0.2849


76.1704, 0.2937,
0.3229

47.3874, 0.2141,
0.2779

82.3686, 0.3091,
0.3279

 44.9919, 0.2096,
0.2710

 89.1611, 0.3246,
0.3324

 43.3401, 0.2072,
0.2658

 92.0012, 0.3248,
0.3368

 94.7406, 0.3244,
0.3411

 97.5466, 0.3240,
0.3454

 98.8376, 0.3238,
0.3473

Harmonies

Analogous

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



60.9161, 0.2649, 0.3364



60.9161, 0.2512, 0.3053



60.9161, 0.2529, 0.2831

Triad

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



60.9161, 0.2512, 0.3053



60.9161, 0.3323, 0.2948



60.9161, 0.3556, 0.3873

Complementary

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



60.9161, 0.2512, 0.3053



43.1094, 0.4134, 0.3508

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.



60.9161, 0.3758, 0.3720



60.9161, 0.2512, 0.3053



60.9161, 0.3622, 0.3192

Square

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



60.9161, 0.2512, 0.3053



60.9161, 0.2982, 0.2786



60.9161, 0.3784, 0.3470



60.9161, 0.3245, 0.3863

Rectangle

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



60.9161, 0.2512, 0.3053



60.9161, 0.2625, 0.2756



60.9161, 0.3784, 0.3470



60.9161, 0.3639, 0.3837

Sweetspot

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



60.9185, 0.2512, 0.3053



90.2815, 0.2926, 0.3225



67.5956, 0.2970, 0.4361



18.9958, 0.2893, 0.3214



0.0000, 0.0000, 0.0000



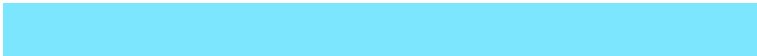
21.4041, 0.3127, 0.3290

Same Dimension

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



60.9185, 0.2512, 0.3053



68.2911, 0.2406, 0.2995



39.2129, 0.2404, 0.2400



16.6056, 0.2981, 0.3244



24.0658, 0.2075, 0.2669



2.0151, 0.2101, 0.2764

Inverse Universe

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



40.4845, 0.3351, 0.2425



41.6400, 0.3412, 0.2260



62.9863, 0.3893, 0.4037



15.2617, 0.3167, 0.3101



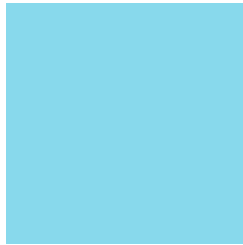
11.9223, 0.3758, 0.1844



0.9488, 0.3668, 0.1794

Previews

White Background



This preview shows how the Yxy color 60.9161, 0.2512, 0.3053 looks on a white background.

Color Contrast Check

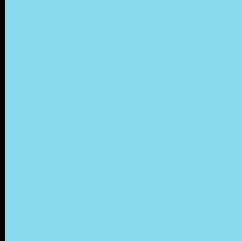
Large Text (above 18pt) WCAG AA × Fail

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 60.9161, 0.2512, 0.3053 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

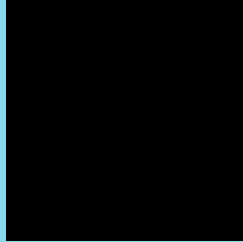
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 60.9161, 0.2512, 0.3053

Background



This preview shows how black text looks on a background with the Yxy color 60.9161, 0.2512, 0.3053.



This preview shows how white text looks on a background with the Yxy color 60.9161, 0.2512, 0.3053.

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

60.9161, 0.2512, 0.3053

Protanopia

60.2046, 0.2947, 0.3003

Deuteranopia

60.2599, 0.2897, 0.2833



Tritanopia

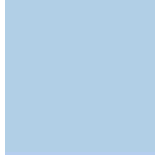
60.8581, 0.2517, 0.3065

Trichromacy



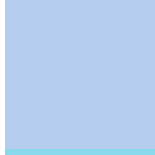
Original Color

60.9161, 0.2512, 0.3053



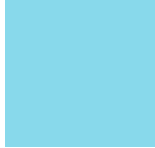
Protanomaly

59.6859, 0.2765, 0.3016



Deuteranomaly

60.1984, 0.2737, 0.2905



Tritanomaly

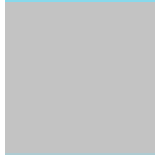
60.8581, 0.2517, 0.3065

Monochromacy



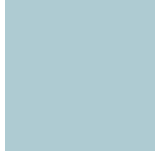
Original Color

60.9161, 0.2512, 0.3053



Achromatopsia

54.5724, 0.3127, 0.3290



Achromatomaly

56.3637, 0.2866, 0.3202

CSS Examples

Text

The CSS property to change the color of the text to Yxy 60.9161, 0.2512, 0.3053 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(136, 217, 236)` looks like.

```
.text, #text, p{  
    color:rgb(136, 217, 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(136, 217, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 217, 236) }
```

Border

The CSS property to change the border of an element to Yxy 60.9161, 0.2512, 0.3053 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(136, 217, 236) }
```

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

```
.border{ border-color:rgb(136, 217, 236) }
```

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

Here you see how a box with a 4 pixel rgb(136, 217, 236) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 217, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 217, 236);  
box-shadow:4px 4px 4px 4px rgb(136, 217,  
236) }
```


Background

The CSS property to change the background color of an element to Yxy 60.9161, 0.2512, 0.3053 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 217, 236) }
```

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

```
.background{ background-color: rgb(136,  
217, 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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