

Converting Colors

$Yxy(39.3444, 0.2133, 0.2603)$

Have a look what the booklet for
Yxy(39.3444, 0.2133, 0.2603)
contains.

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Color

Yxy(39.1738, 0.2134, 0.2602)

Conversions

Conversions Part 1

Format	Color
Hex	3BB4E4
RGB	59, 180, 228
RGB Percent	23%, 71%, 89%
CMY	0.7684, 0.2941, 0.1060
CMYK	0.74, 0.21, 0.00, 0.11
HSL	197°, 76%, 56%
HSV	197°, 74%, 89%
XYZ	32.1279, 39.1738, 79.2509
YIQ	149.2930, -87.5240, -10.7240

Conversions

Conversions Part 2

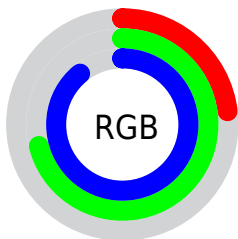
Format	Color
R _{YB}	59, 130, 228
Decimal	3912932
CIE _{Lab}	68.88, -17.55, -33.57
CIE _{LCh}	69, 37.877, 242.396
Yxy	39.1738, 0.2134, 0.2602
Android (android.graphics.Color)	4282103012 (0xFF3BB4E4)
YUV	149.2930, 38.8026, -79.1870
Hunter-Lab	62.5890, -17.9038, -31.2614

Details

The Yxy color **39.1738, 0.2134, 0.2602** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light washed azure. A complement of this color would be **27.3289, 0.5226, 0.3755**, and the grayscale version is **30.0523, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.8001, 0.2431, 0.3066**, and **18.1573, 0.2007, 0.2423** is the 20% darker color. If you saturate the color by 10%, you get **36.0698, 0.2059, 0.2494**, and if you desaturate by 10%, it is **42.7067, 0.2229, 0.2710**.

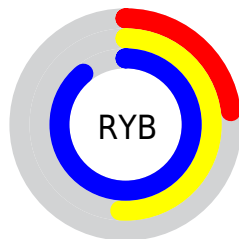
Distribution



Red (23%)

Green (71%)

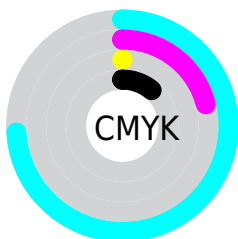
Blue (89%)



Red (23%)

Yellow (51%)

Blue (89%)

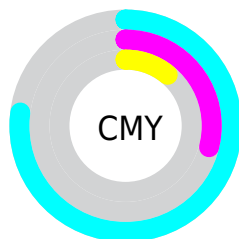


Cyan (74%)

Magenta (21%)

Yellow (0%)

Black (11%)



Cyan (77%)

Magenta (29%)

Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 39.1738, 0.2134, 0.2602 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 39.1738, 0.2134, 0.2602 by changing the saturation by 10% instead.

■ 39.1738, 0.2134,
0.2602

■ 39.1738, 0.2134,
0.2602

■ 342.6288, 0.2620,
0.2959

■ 26.8950, 0.2018,
0.2511

■ 73.9038, 0.2307,
0.2733

■ 17.4943, 0.1874,
0.2395

■ 97.1237, 0.2373,
0.2782

■ 10.5876, 0.1690,
0.2241

■ 124.7594, 0.2429,
0.2823

■ 5.7902, 0.1451,
0.2031

■ 157.1953, 0.2478,
0.2858

■ 2.7180, 0.1134,
0.1732

■ 194.8158, 0.2520,
0.2889

■ 0.9863, 0.0667,
0.1302

■ 238.0053, 0.2558,

■ 0.0000, 0.0000,

0.2915

0.0000

287.1482, 0.2591,
0.2938

■ 39.1738, 0.2134,
0.2602

■ 39.1738, 0.2134,
0.2602

■ 36.0698, 0.2059,
0.2494

■ 42.7067, 0.2229,
0.2710

■ 33.3460, 0.2005,
0.2387

■ 46.7012, 0.2342,
0.2815

■ 31.8764, 0.1979,
0.2325

■ 51.1904, 0.2469,
0.2917

■ 56.2031, 0.2609,
0.3013

■ 61.7652, 0.2757,
0.3103

■ 67.9006, 0.2910,
0.3186

■ 74.6318, 0.3064,
0.3261

■ 81.9798, 0.3217,
0.3329

■ 88.1706, 0.3304,
0.3392

Harmonies

Analogous

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



39.1738, 0.2169, 0.3003



39.1738, 0.2134, 0.2602



39.1738, 0.2329, 0.2419

Triad

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



39.1738, 0.2134, 0.2602



39.1738, 0.3834, 0.3002



39.1738, 0.3451, 0.4309

Complementary

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



39.1738, 0.2134, 0.2602



27.3289, 0.5226, 0.3755

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.



39.1738, 0.3939, 0.4198



39.1738, 0.2134, 0.2602



39.1738, 0.4188, 0.3427

Square

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



39.1738, 0.2134, 0.2602



39.1738, 0.3284, 0.2655



39.1738, 0.4220, 0.3858



39.1738, 0.2902, 0.4074

Rectangle

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



39.1738, 0.2134, 0.2602



39.1738, 0.2578, 0.2415



39.1738, 0.4220, 0.3858



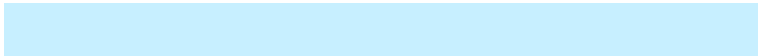
39.1738, 0.3628, 0.4307

Sweetspot

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



39.1752, 0.2134, 0.2602



81.1206, 0.2787, 0.3120



57.4667, 0.2850, 0.5088



16.9205, 0.2745, 0.3096



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.



39.1752, 0.2134, 0.2602



44.5302, 0.2027, 0.2435



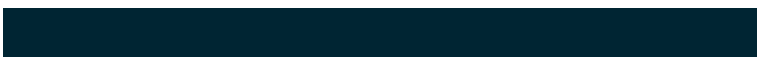
14.8346, 0.1815, 0.1349



15.6082, 0.2981, 0.3222



18.6216, 0.1984, 0.2341



1.5322, 0.2027, 0.2496

Inverse Universe

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



22.9195, 0.3795, 0.2081



25.8344, 0.3980, 0.2016



54.2340, 0.4378, 0.4611



14.5417, 0.3181, 0.3123



11.0776, 0.4084, 0.2023



0.8344, 0.3926, 0.1937

Previews

White Background



This preview shows how the Yxy color 39.1738, 0.2134, 0.2602 looks on a white background.

Color Contrast Check

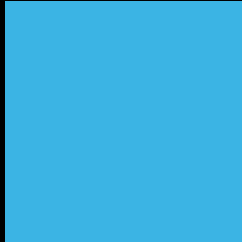
Large Text (above 18pt) WCAG AA × Fail

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 39.1738, 0.2134, 0.2602 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

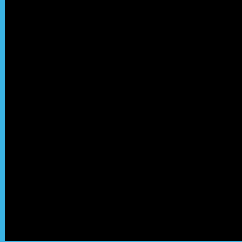
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

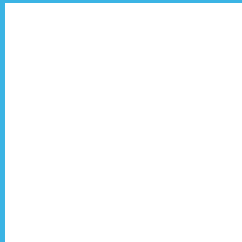
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 39.1738, 0.2134, 0.2602

Background



This preview shows how black text looks on a background with the Yxy color 39.1738, 0.2134, 0.2602.



This preview shows how white text looks on a background with the Yxy color 39.1738, 0.2134, 0.2602.

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

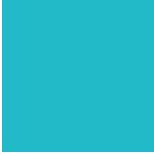
39.1738, 0.2134, 0.2602

Protanopia

38.6923, 0.2628, 0.2599

Deuteranopia

38.7908, 0.2491, 0.2432



Tritanopia

39.2081, 0.2215, 0.3055

Trichromacy



Original Color

39.1738, 0.2134, 0.2602

Protanomaly

37.8918, 0.2386, 0.2581

Deuteranomaly

38.0400, 0.2312, 0.2471

Tritanomaly

39.0337, 0.2181, 0.2880

Monochromacy



Original Color

39.1738, 0.2134, 0.2602

Achromatopsia

30.0544, 0.3127, 0.3290

Achromatomaly

32.0690, 0.2606, 0.3005

CSS Examples

Text

The CSS property to change the color of the text to Yxy 39.1738, 0.2134, 0.2602 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(59, 180, 228)` looks like.

```
.text, #text, p{  
    color:rgb(59, 180, 228)  
}
```

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(59, 180, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(59, 180, 228) }
```

Border

The CSS property to change the border of an element to Yxy 39.1738, 0.2134, 0.2602 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(59, 180, 228) }
```

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

```
.border{ border-color:rgb(59, 180, 228) }
```

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

Here you see how a box with a 4 pixel `rgb(59, 180, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(59, 180, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(59, 180, 228);  
box-shadow:4px 4px 4px 4px rgb(59, 180,  
228) }
```


Background

The CSS property to change the background color of an element to Yxy 39.1738, 0.2134, 0.2602 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(59, 180, 228) }
```

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

```
.background{ background-color: rgb(59, 180,  
228) }
```

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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