

Converting Colors

$Y_{xy}(40.4213, 0.2032, 0.2459)$

Have a look what the booklet for
Yxy(40.4213, 0.2032, 0.2459)
contains.

Yxy(40.5447, 0.2032, 0.2459)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(40.5447, 0.2032, 0.2459)

Conversions

Conversions Part 1

Format	Color
Hex	19B7F3
RGB	25, 183, 243
RGB Percent	10%, 72%, 95%
CMY	0.9029, 0.2823, 0.0472
CMYK	0.90, 0.25, 0.00, 0.05
HSL	196°, 90%, 52%
HSV	196°, 90%, 95%
XYZ	33.5042, 40.5447, 90.8340
YIQ	142.5980, -113.4280, -14.8360

Conversions

Conversions Part 2

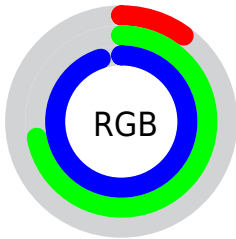
Format	Color
R _Y B	25, 117, 243
Decimal	1685491
CIE Lab	69.86, -16.87, -40.25
CIE LCh	70, 43.639, 247.264
Yxy	40.5447, 0.2032, 0.2459
Android (android.graphics.Color)	4279875571 (0xFF19B7F3)
YUV	142.5980, 49.4982, -103.1334
Hunter-Lab	63.6747, -17.5081, -40.0067

Details

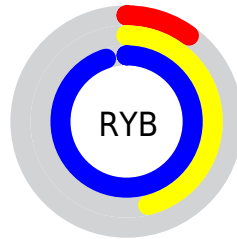
The Yxy color **40.5447, 0.2032, 0.2459** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light washed azure. A complement of this color would be **25.5748, 0.5794, 0.3672**, and the grayscale version is **27.1069, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.5978, 0.2390, 0.3099**, and **19.5531, 0.1962, 0.2263** is the 20% darker color. If you saturate the color by 10%, you get **37.6556, 0.1988, 0.2356**, and if you desaturate by 10%, it is **43.8174, 0.2094, 0.2563**.

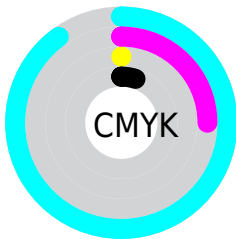
Distribution



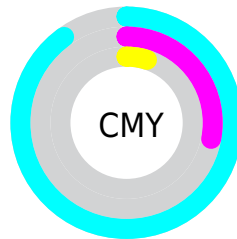
- Red (10%)
- Green (72%)
- Blue (95%)



- Red (10%)
- Yellow (46%)
- Blue (95%)



- Cyan (90%)
- Magenta (25%)
- Yellow (0%)
- Black (5%)



- Cyan (90%)
- Magenta (28%)
- Yellow (5%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.5447, 0.2032, 0.2459 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 40.5447, 0.2032, 0.2459 by changing the saturation by 10% instead.


 40.5447, 0.2032,
0.2459


 40.5447, 0.2032,
0.2459


 348.4141, 0.2560,
0.2881


 27.9635, 0.1910,
0.2355


 75.9923, 0.2217,
0.2612

 18.2981, 0.1759,
0.2224


 99.6274, 0.2289,
0.2670


 11.1642, 0.1570,
0.2054


 127.7160, 0.2350,
0.2718

 6.1774, 0.1330,
0.1828

 160.6423, 0.2403,
0.2760

 2.9533, 0.1022,
0.1521

 198.7910, 0.2450,
0.2797

 1.1074, 0.0623,
0.1103

242.5462, 0.2491,

 0.0000, 0.0000,

0.2828

0.0000

292.2924, 0.2527,
0.2856

■ 40.5447, 0.2032,
0.2459

■ 40.5447, 0.2032,
0.2459

■ 37.6556, 0.1988,
0.2356

■ 43.8174, 0.2094,
0.2563

■ 37.6013, 0.1987,
0.2354

■ 47.5464, 0.2175,
0.2668

■ 51.7806, 0.2277,
0.2771

■ 56.5603, 0.2395,
0.2872

■ 61.9207, 0.2528,
0.2968

■ 67.8936, 0.2671,
0.3059

■ 74.5083, 0.2821,
0.3144

■ 81.7918, 0.2975,
0.3221

■ 89.7693, 0.3130,
0.3291

Harmonies

Analogous

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



40.5447, 0.2027, 0.2866



40.5447, 0.2032, 0.2459



40.5447, 0.2287, 0.2302

Triad

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



40.5447, 0.2032, 0.2459



40.5447, 0.4019, 0.3034



40.5447, 0.3384, 0.4446

Complementary

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



40.5447, 0.2032, 0.2459



25.5748, 0.5794, 0.3672

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.



40.5447, 0.3960, 0.4359



40.5447, 0.2032, 0.2459



40.5447, 0.4368, 0.3512

Square

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



40.5447, 0.2032, 0.2459



40.5447, 0.3409, 0.2631



40.5447, 0.4334, 0.3989



40.5447, 0.2769, 0.4115

Rectangle

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



40.5447, 0.2032, 0.2459



40.5447, 0.2587, 0.2325



40.5447, 0.4334, 0.3989



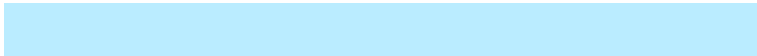
40.5447, 0.3589, 0.4460

Sweetspot

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



40.5461, 0.2032, 0.2459



77.7150, 0.2712, 0.3083



64.9143, 0.2885, 0.5509



16.1145, 0.2661, 0.3053



0.0000, 0.0000, 0.0000



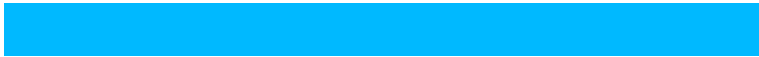
21.4041, 0.3127, 0.3290

Same Dimension

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



40.5461, 0.2032, 0.2459



41.8872, 0.1987, 0.2352



11.7992, 0.1636, 0.1009



17.9427, 0.2980, 0.3223



20.8785, 0.1992, 0.2371



2.0061, 0.2028, 0.2500

Inverse Universe

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



23.1554, 0.3957, 0.1999



24.7597, 0.4072, 0.2017



56.8459, 0.4598, 0.4669



16.6860, 0.3180, 0.3120



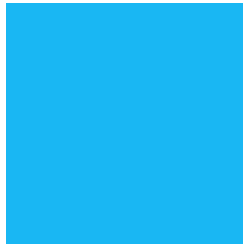
12.2071, 0.4053, 0.2006



1.0902, 0.3922, 0.1934

Previews

White Background



This preview shows how the Yxy color 40.5447, 0.2032, 0.2459 looks on a white background.

Color Contrast Check

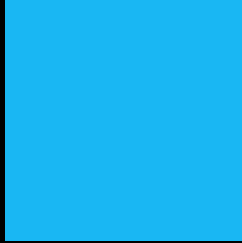
Large Text (above 18pt) WCAG AA × Fail

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 40.5447, 0.2032, 0.2459 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

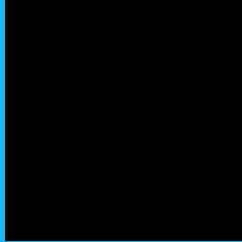
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

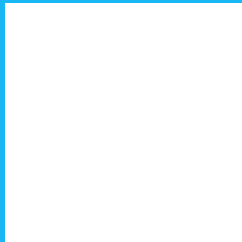
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 40.5447, 0.2032, 0.2459

Background



This preview shows how black text looks on a background with the Yxy color 40.5447, 0.2032, 0.2459.



This preview shows how white text looks on a background with the Yxy color 40.5447, 0.2032, 0.2459.

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

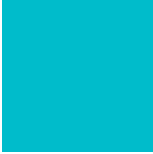
40.5447, 0.2032, 0.2459

Protanopia

39.9863, 0.2529, 0.2466

Deuteranopia

40.0624, 0.2364, 0.2303



Tritanopia

40.2782, 0.2182, 0.3056

Trichromacy



Original Color

40.5447, 0.2032, 0.2459



Protanomaly

38.8886, 0.2251, 0.2448



Deuteranomaly

39.0211, 0.2172, 0.2331



Tritanomaly

40.2378, 0.2120, 0.2813

Monochromacy



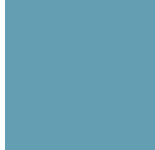
Original Color

40.5447, 0.2032, 0.2459



Achromatopsia

27.4677, 0.3127, 0.3290



Achromatomaly

30.4177, 0.2482, 0.2947

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.5447, 0.2032, 0.2459 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(25, 183, 243)` looks like.

```
.text, #text, p{  
    color:rgb(25, 183, 243)  
}
```

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(25, 183, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(25, 183, 243) }
```

Border

The CSS property to change the border of an element to Yxy 40.5447, 0.2032, 0.2459 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(25, 183, 243) }
```

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

```
.border{ border-color:rgb(25, 183, 243) }
```

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

Here you see how a box with a 4 pixel `rgb(25, 183, 243)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(25, 183, 243); -webkit-box-  
shadow:4px 4px 4px 4px rgb(25, 183, 243);  
box-shadow:4px 4px 4px 4px rgb(25, 183,  
243) }
```


Background

The CSS property to change the background color of an element to Yxy 40.5447, 0.2032, 0.2459 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(25, 183, 243) }
```

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

```
.background{ background-color: rgb(25, 183,  
243) }
```

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