

Converting Colors

$Y_{xy}(42.3001, 0.1946, 0.2053)$

Have a look what the booklet for
Yxy(42.3001, 0.1946, 0.2053)
contains.

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Color

Yxy(40.5663, 0.2021, 0.2294)

Conversions

Conversions Part 1

Format	Color
Hex	33B4FF
RGB	51, 180, 255
RGB Percent	20%, 71%, 100%
CMY	0.7993, 0.2941, 0.0001
CMYK	0.80, 0.29, 0.00, 0.00
HSL	202°, 100%, 60%
HSV	202°, 80%, 100%
XYZ	35.7387, 40.5663, 100.5316
YIQ	149.9790, -100.9590, -4.0230

Conversions

Conversions Part 2

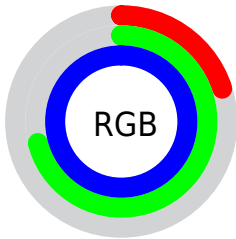
Format	Color
R _Y B	51, 130, 255
Decimal	3388671
CIE Lab	69.87, -9.25, -46.70
CIE LCh	70, 47.603, 258.798
Yxy	40.5663, 0.2021, 0.2294
Android (android.graphics.Color)	4281578751 (0xFF33B4FF)
YUV	149.9790, 51.7754, -86.8046
Hunter-Lab	63.6917, -11.3006, -48.9997

Details

The Yxy color **40.5663, 0.2021, 0.2294** is a light color, and the websafe version is hex **3399CC**. The color can be described as light washed azure. A complement of this color would be **36.4548, 0.5282, 0.3905**, and the grayscale version is **30.3187, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.8001, 0.2431, 0.3066**, and **19.5156, 0.1912, 0.2083** is the 20% darker color. If you saturate the color by 10%, you get **36.4147, 0.1947, 0.2152**, and if you desaturate by 10%, it is **45.3398, 0.2116, 0.2438**.

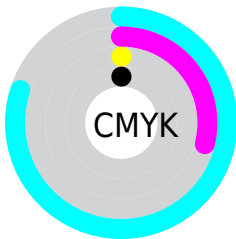
Distribution



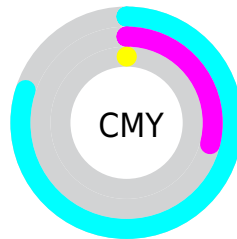
- Red (20%)
- Green (71%)
- Blue (100%)



- Red (20%)
- Yellow (51%)
- Blue (100%)



- Cyan (80%)
- Magenta (29%)
- Yellow (0%)
- Black (0%)




- Cyan (80%)
- Magenta (29%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.5663, 0.2021, 0.2294 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 40.5663, 0.2021, 0.2294 by changing the saturation by 10% instead.


 40.5663, 0.2021,
0.2294

 40.5663, 0.2021,
0.2294


348.5047, 0.2552,
0.2786

 27.9804, 0.1899,
0.2177


 76.0251, 0.2207,
0.2469

 18.3109, 0.1749,
0.2032

 99.6667, 0.2279,
0.2536

 11.1734, 0.1562,
0.1849


 127.7624, 0.2341,
0.2593

 6.1836, 0.1327,
0.1612

 160.6964, 0.2394,
0.2642

 2.9570, 0.1029,
0.1303

198.8533, 0.2441,
0.2685

 1.1093, 0.0662,
0.0903

242.6174, 0.2483,

 0.0000, 0.0000,

0.2723

0.0000

292.3730, 0.2519,
0.2756

■ 40.5663, 0.2021,
0.2294

■ 40.5663, 0.2021,
0.2294

■ 36.4147, 0.1947,
0.2152

■ 45.3398, 0.2116,
0.2438

■ 32.7918, 0.1893,
0.2013

■ 50.7878, 0.2232,
0.2581

■ 32.7682, 0.1892,
0.2012

■ 56.9600, 0.2363,
0.2720

■ 63.8989, 0.2507,
0.2852

■ 71.6433, 0.2659,
0.2977

■ 80.2284, 0.2815,
0.3091

■ 89.6873, 0.2973,
0.3196

99.9983, 0.3127,
0.3290

Harmonies

Analogous

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



40.5663, 0.1911, 0.2622



40.5663, 0.2021, 0.2294



40.5663, 0.2391, 0.2227

Triad

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



40.5663, 0.2021, 0.2294



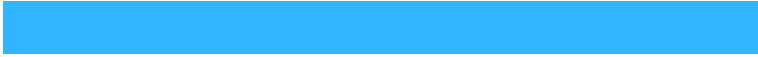
40.5663, 0.4292, 0.3199



40.5663, 0.3136, 0.4477

Complementary

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



40.5663, 0.2021, 0.2294



36.4548, 0.5282, 0.3905

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.



40.5663, 0.3799, 0.4538



40.5663, 0.2021, 0.2294



40.5663, 0.4514, 0.3721

Square

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



40.5663, 0.2021, 0.2294



40.5663, 0.3706, 0.2730



40.5663, 0.4313, 0.4214



40.5663, 0.2505, 0.3950

Rectangle

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



40.5663, 0.2021, 0.2294



40.5663, 0.2770, 0.2310



40.5663, 0.4313, 0.4214



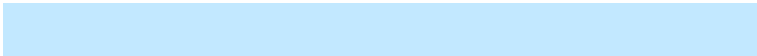
40.5663, 0.3362, 0.4552

Sweetspot

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



40.5677, 0.2021, 0.2294



76.6497, 0.2752, 0.3046



73.7155, 0.2793, 0.5036



15.7569, 0.2696, 0.3005



0.0000, 0.0000, 0.0000



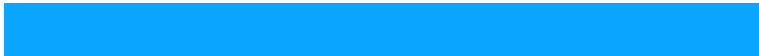
21.4041, 0.3127, 0.3290

Same Dimension

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



40.5677, 0.2021, 0.2294



34.1747, 0.1913, 0.2067



13.4242, 0.1685, 0.1020



19.2920, 0.2979, 0.3200



17.4209, 0.1899, 0.2035



1.9050, 0.1943, 0.2194

Inverse Universe

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



26.9327, 0.4109, 0.2184



24.1959, 0.4375, 0.2199



76.8725, 0.4326, 0.4783



18.1803, 0.3195, 0.3141



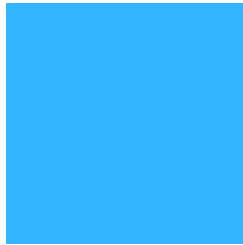
12.4866, 0.4414, 0.2205



1.2369, 0.4239, 0.2109

Previews

White Background



This preview shows how the Yxy color 40.5663, 0.2021, 0.2294 looks on a white background.

Color Contrast Check

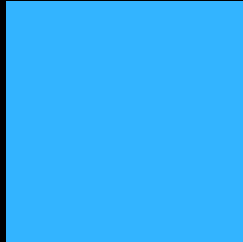
Large Text (above 18pt) WCAG AA × Fail

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 40.5663, 0.2021, 0.2294 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

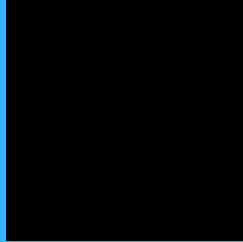
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

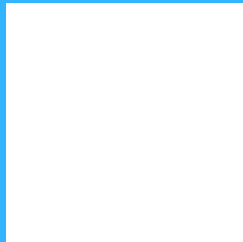
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 40.5663, 0.2021, 0.2294

Background



This preview shows how black text looks on a background with the Yxy color 40.5663, 0.2021, 0.2294.



This preview shows how white text looks on a background with the Yxy color 40.5663, 0.2021, 0.2294.

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

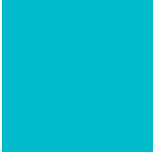
40.5663, 0.2021, 0.2294

Protanopia

40.1888, 0.2415, 0.2321

Deuteranopia

40.2631, 0.2272, 0.2215



Tritanopia

40.2782, 0.2182, 0.3056

Trichromacy



Original Color

40.5663, 0.2021, 0.2294

Protanomaly

39.6619, 0.2219, 0.2301

Deuteranomaly

39.8738, 0.2149, 0.2234

Tritanomaly

40.1103, 0.2108, 0.2745

Monochromacy



Original Color

40.5663, 0.2021, 0.2294

Achromatopsia

30.4987, 0.3127, 0.3290

Achromatomaly

32.6980, 0.2527, 0.2872

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.5663, 0.2021, 0.2294 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(51, 180, 255)` looks like.

```
.text, #text, p{  
    color:rgb(51, 180, 255)  
}
```

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(51, 180, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 180, 255) }
```

Border

The CSS property to change the border of an element to Yxy 40.5663, 0.2021, 0.2294 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(51, 180, 255) }
```

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

```
.border{ border-color:rgb(51, 180, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(51, 180, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 180, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 180, 255);  
box-shadow:4px 4px 4px 4px rgb(51, 180,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 40.5663, 0.2021, 0.2294 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 180, 255) }
```

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

```
.background{ background-color: rgb(51, 180,  
255) }
```

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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