

Converting Colors

$Y_{xy}(53.2872, 0.2518, 0.2565)$

Have a look what the booklet for
Yxy(53.2872, 0.2518, 0.2565)
contains.

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Color

Yxy(53.1465, 0.2517, 0.2561)

Conversions

Conversions Part 1

Format	Color
Hex	A3C1FF
RGB	163, 193, 255
RGB Percent	64%, 76%, 100%
CMY	0.3606, 0.2432, 0.0000
CMYK	0.36, 0.24, 0.00, 0.00
HSL	220°, 100%, 82%
HSV	220°, 36%, 100%
XYZ	52.2334, 53.1465, 102.1426
YIQ	191.0980, -37.7820, 12.9220

Conversions

Conversions Part 2

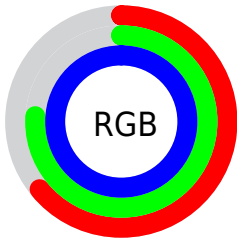
Format	Color
RYB	163, 186, 255
Decimal	10732031
CIELab	77.96, 4.54, -33.78
CIElCh	78, 34.086, 277.660
Yxy	53.1465, 0.2517, 0.2561
Android (android.graphics.Color)	4288922111 (0xFFA3C1FF)
YUV	191.0980, 31.5037, -24.6419
Hunter-Lab	72.9016, 0.3158, -32.0401

Details

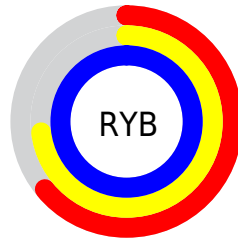
The Yxy color **53.1465, 0.2517, 0.2561** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **77.7795, 0.3771, 0.3922**, and the grayscale version is **51.9930, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.1870, 0.2915, 0.3228**, and **26.0215, 0.2366, 0.2390** is the 20% darker color. If you saturate the color by 10%, you get **43.5550, 0.2335, 0.2314**, and if you desaturate by 10%, it is **64.1639, 0.2697, 0.2791**.

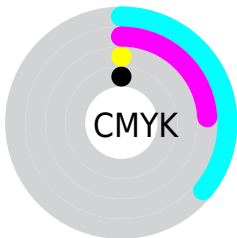
Distribution



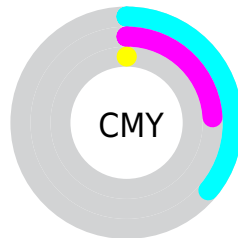
- Red (64%)
- Green (76%)
- Blue (100%)



- Red (64%)
- Yellow (73%)
- Blue (100%)



- Cyan (36%)
- Magenta (24%)
- Yellow (0%)
- Black (0%)



- Cyan (36%)
- Magenta (24%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 53.1465, 0.2517, 0.2561 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 53.1465, 0.2517, 0.2561 by changing the saturation by 10% instead.

■ 53.1465, 0.2517,
0.2561

■ 53.1465, 0.2517,
0.2561

■ 398.8469, 0.2809,
0.2905

■ 37.9197, 0.2449,
0.2482

■ 94.8199, 0.2620,
0.2681

■ 25.9204, 0.2364,
0.2384

■ 122.0353, 0.2659,
0.2728

■ 16.7641, 0.2256,
0.2260

■ 154.0158, 0.2693,
0.2768

■ 10.0664, 0.2114,
0.2099

■ 191.1456, 0.2723,
0.2803

■ 5.4430, 0.1922,
0.1883

■ 233.8093, 0.2748,
0.2833

■ 2.5095, 0.1651,
0.1584

■ 282.3911, 0.2771,

■ 0.8814, 0.1255,

0.2860

0.1160

337.2755, 0.2791,
0.2884

0.0000, 0.0000,
0.0000

53.1465, 0.2517,
0.2561

53.1465, 0.2517,
0.2561

43.5550, 0.2335,
0.2314

64.1639, 0.2697,
0.2791

35.3272, 0.2157,
0.2056

76.6669, 0.2871,
0.3000

28.3948, 0.1991,
0.1793

90.7103, 0.3034,
0.3187

22.6828, 0.1846,
0.1538

100.0000, 0.3127,
0.3290

18.1069, 0.1729,
0.1303

■ 14.5682, 0.1645,
0.1098

■ 13.4161, 0.1619,
0.1027

Harmonies

Analogous

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



53.1465, 0.2319, 0.2689



53.1465, 0.2517, 0.2561



53.1465, 0.2882, 0.2609

Triad

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



53.1465, 0.2517, 0.2561



53.1465, 0.4013, 0.3480



53.1465, 0.2874, 0.3856

Complementary

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



53.1465, 0.2517, 0.2561



77.7795, 0.3771, 0.3922

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.



53.1465, 0.3323, 0.4096



53.1465, 0.2517, 0.2561



53.1465, 0.3997, 0.3826

Square

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



53.1465, 0.2517, 0.2561



53.1465, 0.3767, 0.3117



53.1465, 0.3737, 0.4067



53.1465, 0.2511, 0.3431

Rectangle

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



53.1465, 0.2517, 0.2561



53.1465, 0.3185, 0.2727



53.1465, 0.3737, 0.4067



53.1465, 0.3020, 0.3964

Sweetspot

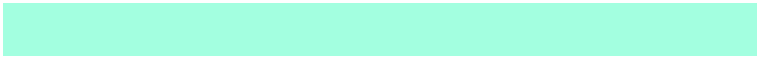
The Sweet Spot groups the original color and five complimentary colors.



53.1462, 0.2517, 0.2561



83.5837, 0.2955, 0.3097



84.7107, 0.2765, 0.3639



17.4857, 0.2932, 0.3072



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.



53.1462, 0.2517, 0.2561



46.3466, 0.2391, 0.2392



42.9346, 0.2572, 0.2227



18.3439, 0.2979, 0.3125



7.2503, 0.1627, 0.1056



0.8951, 0.1689, 0.1279

Inverse Universe

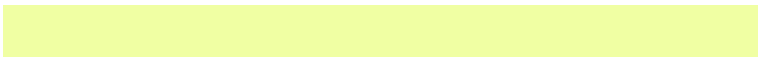
The Inverse Universe completely reimagines the original color for something new.



51.3166, 0.3713, 0.2979



44.9569, 0.3881, 0.2919



92.6336, 0.3567, 0.4225



18.0846, 0.3243, 0.3213



11.4599, 0.5675, 0.2900



1.1349, 0.5356, 0.2724

Previews

White Background



This preview shows how the Yxy color 53.1465, 0.2517, 0.2561 looks on a white background.

Color Contrast Check

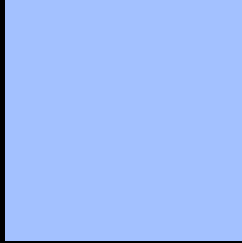
Large Text (above 18pt) WCAG AA × Fail

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 53.1465, 0.2517, 0.2561 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

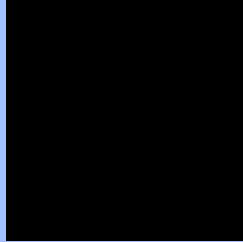
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

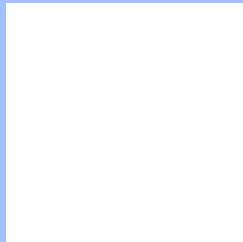
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 53.1465, 0.2517, 0.2561

Background



This preview shows how black text looks on a background with the Yxy color 53.1465, 0.2517, 0.2561.



This preview shows how white text looks on a background with the Yxy color 53.1465, 0.2517, 0.2561.

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

53.1465, 0.2517, 0.2561

Protanopia

53.0327, 0.2598, 0.2560

Deuteranopia

52.8453, 0.2592, 0.2529



Tritanopia

53.1364, 0.2692, 0.3084

Trichromacy



Original Color

53.1465, 0.2517, 0.2561

Protanomaly

53.0753, 0.2568, 0.2557

Deuteranomaly

52.7048, 0.2561, 0.2535

Tritanomaly

52.8138, 0.2624, 0.2878

Monochromacy



Original Color

53.1465, 0.2517, 0.2561

Achromatopsia

52.0996, 0.3127, 0.3290

Achromatomaly

52.3781, 0.2884, 0.3019

CSS Examples

Text

The CSS property to change the color of the text to Yxy 53.1465, 0.2517, 0.2561 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(163, 193, 255)` looks like.

```
.text, #text, p{  
    color:rgb(163, 193, 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(163, 193, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 193, 255) }
```

Border

The CSS property to change the border of an element to Yxy 53.1465, 0.2517, 0.2561 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(163, 193, 255) }
```

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

```
.border{ border-color:rgb(163, 193, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 193, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 193, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 193, 255);  
box-shadow:4px 4px 4px 4px rgb(163, 193,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 53.1465, 0.2517, 0.2561 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 193, 255) }
```

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

```
.background{ background-color: rgb(163,  
193, 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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