

Converting Colors

$Y_{xy}(52.1511, 0.2602, 0.2506)$

Have a look what the booklet for
Yxy(52.1511, 0.2602, 0.2506)
contains.

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Color

Yxy(52.2256, 0.2602, 0.2508)

Conversions

Conversions Part 1

Format	Color
Hex	B2BBFF
RGB	178, 187, 255
RGB Percent	70%, 73%, 100%
CMY	0.3019, 0.2667, 0.0000
CMYK	0.30, 0.27, 0.00, 0.00
HSL	233°, 100%, 85%
HSV	233°, 30%, 100%
XYZ	54.1830, 52.2256, 101.8274
YIQ	192.0610, -27.1920, 19.2400

Conversions

Conversions Part 2

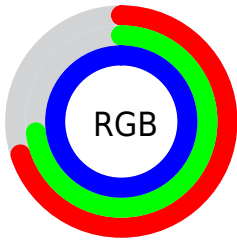
Format	Color
RYB	178, 186, 255
Decimal	11713535
CIELab	77.42, 11.93, -34.52
CIELCh	77, 36.525, 289.064
Yxy	52.2256, 0.2602, 0.2508
Android (android.graphics.Color)	4289903615 (0xFFB2BBFF)
YUV	192.0610, 31.0289, -12.3315
Hunter-Lab	72.2673, 7.3642, -32.9548

Details

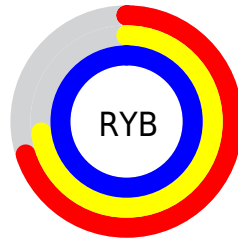
The Yxy color **52.2256, 0.2602, 0.2508** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **90.3977, 0.3609, 0.3967**, and the grayscale version is **52.5801, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.9834, 0.3006, 0.3170**, and **25.3384, 0.2464, 0.2322** is the 20% darker color. If you saturate the color by 10%, you get **40.6663, 0.2400, 0.2195**, and if you desaturate by 10%, it is **65.8487, 0.2793, 0.2797**.

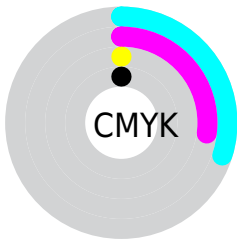
Distribution



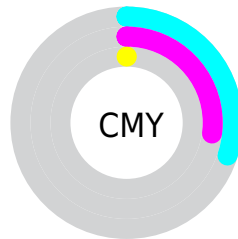
- Red (70%)
- Green (73%)
- Blue (100%)



- Red (70%)
- Yellow (73%)
- Blue (100%)



- Cyan (30%)
- Magenta (27%)
- Yellow (0%)
- Black (0%)



- Cyan (30%)
- Magenta (27%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 52.2256, 0.2602, 0.2508 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 52.2256, 0.2602, 0.2508 by changing the saturation by 10% instead.

■ 52.2256, 0.2602,
0.2508

■ 52.2256, 0.2602,
0.2508

395.3069, 0.2857,
0.2874

■ 37.1849, 0.2542,
0.2425

■ 93.4639, 0.2692,
0.2635

■ 25.3507, 0.2466,
0.2322

120.4303, 0.2727,
0.2684

■ 16.3385, 0.2369,
0.2193

152.1407, 0.2757,
0.2727

■ 9.7640, 0.2241,
0.2026

188.9795, 0.2782,
0.2764

■ 5.2428, 0.2065,
0.1805

231.3311, 0.2804,
0.2796

■ 2.3904, 0.1812,
0.1502

279.5800, 0.2824,

■ 0.8209, 0.1432,

0.2825

0.1076

334.1105, 0.2841,
0.2851

0.0000, 0.0073,
0.0000

0.0000, 0.0000,
0.0000

52.2256, 0.2602,
0.2508

52.2256, 0.2602,
0.2508

40.6663, 0.2400,
0.2195

65.8487, 0.2793,
0.2797

31.0638, 0.2194,
0.1869

81.6233, 0.2967,
0.3057

23.3108, 0.1996,
0.1544

99.6396, 0.3124,
0.3286

17.2872, 0.1817,
0.1242

99.9997, 0.3127,
0.3290

■ 12.8582, 0.1673,
0.0984

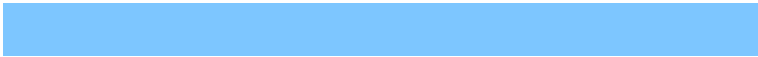
■ 9.8687, 0.1574,
0.0789

■ 8.1349, 0.1519,
0.0668

Harmonies

Analogous

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



52.2256, 0.2318, 0.2569



52.2256, 0.2602, 0.2508



52.2256, 0.3044, 0.2625

Triad

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



52.2256, 0.2602, 0.2508



52.2256, 0.4110, 0.3637



52.2256, 0.2688, 0.3742

Complementary

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



52.2256, 0.2602, 0.2508



90.3977, 0.3609, 0.3967

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.



52.2256, 0.3148, 0.4098



52.2256, 0.2602, 0.2508



52.2256, 0.3983, 0.3981

Square

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



52.2256, 0.2602, 0.2508



52.2256, 0.3949, 0.3246



52.2256, 0.3624, 0.4173



52.2256, 0.2362, 0.3251

Rectangle

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



52.2256, 0.2602, 0.2508



52.2256, 0.3380, 0.2787



52.2256, 0.3624, 0.4173



52.2256, 0.2832, 0.3885

Sweetspot

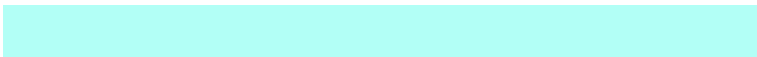
The Sweet Spot groups the original color and five complimentary colors.



52.2276, 0.2602, 0.2508



83.6442, 0.2987, 0.3085



87.6393, 0.2734, 0.3387



17.3743, 0.2963, 0.3050



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.



52.2276, 0.2602, 0.2508



45.2629, 0.2486, 0.2329



52.4115, 0.2799, 0.2451



17.7187, 0.2979, 0.3073



4.3580, 0.1523, 0.0683



0.5287, 0.1563, 0.0827

Inverse Universe

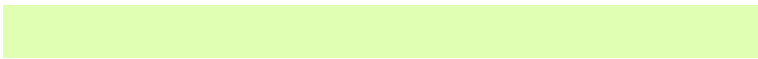
The Inverse Universe completely reimagines the original color for something new.



56.6970, 0.3730, 0.3198



50.5777, 0.3898, 0.3180



90.8184, 0.3386, 0.4100



18.0215, 0.3276, 0.3263



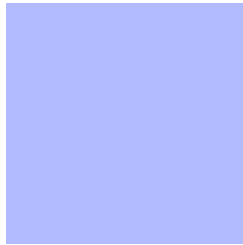
11.1679, 0.6261, 0.3223



1.0979, 0.6026, 0.3093

Previews

White Background



This preview shows how the Yxy color 52.2256, 0.2602, 0.2508 looks on a white background.

Color Contrast Check

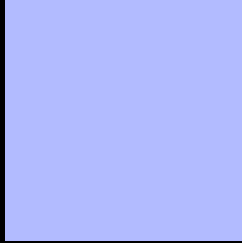
Large Text (above 18pt) WCAG AA × Fail

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 52.2256, 0.2602, 0.2508 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

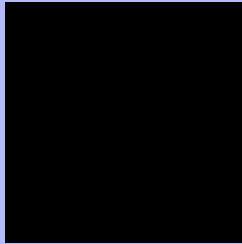
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 52.2256, 0.2602, 0.2508

Background



This preview shows how black text looks on a background with the Yxy color 52.2256, 0.2602, 0.2508.

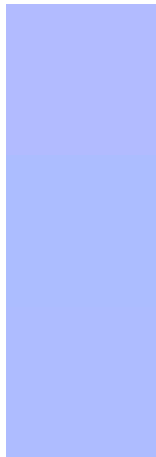


This preview shows how white text looks on a background with the Yxy color 52.2256, 0.2602, 0.2508.

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

52.2256, 0.2602, 0.2508

Protanopia

52.3858, 0.2566, 0.2524

Deuteranopia

52.1851, 0.2577, 0.2515



Tritanopia

52.1684, 0.2819, 0.3087

Trichromacy



Original Color

52.2256, 0.2602, 0.2508

Protanomaly

52.1851, 0.2577, 0.2515

Deuteranomaly

52.3004, 0.2584, 0.2516

Tritanomaly

52.0160, 0.2735, 0.2861

Monochromacy



Original Color

52.2256, 0.2602, 0.2508

Achromatopsia

52.7115, 0.3127, 0.3290

Achromatomaly

52.2980, 0.2922, 0.2986

CSS Examples

Text

The CSS property to change the color of the text to Yxy 52.2256, 0.2602, 0.2508 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(178, 187, 255)` looks like.

```
.text, #text, p{  
    color:rgb(178, 187, 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(178, 187, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 187, 255) }
```

Border

The CSS property to change the border of an element to Yxy 52.2256, 0.2602, 0.2508 is called "border". The border property can be set on classes, ids or directly on the HTML element.

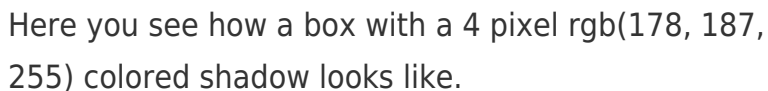
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(178, 187, 255) }
```

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

```
.border{ border-color:rgb(178, 187, 255) }
```

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



Here you see how a box with a 4 pixel `rgb(178, 187, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 187, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 187, 255);  
box-shadow:4px 4px 4px 4px rgb(178, 187,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 52.2256, 0.2602, 0.2508 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 187, 255) }
```

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

```
.background{ background-color: rgb(178,  
187, 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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