

Converting Colors

$Y_{xy}(52.1795, 0.2528, 0.2942)$

Have a look what the booklet for
Yxy(52.1795, 0.2528, 0.2942)
contains.

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Color

$\text{Yxy}(52.1730, 0.2528, 0.2941)$

Conversions

Conversions Part 1

Format	Color
Hex	89C8E3
RGB	137, 200, 227
RGB Percent	54%, 78%, 89%
CMY	0.4624, 0.2157, 0.1098
CMYK	0.40, 0.12, 0.00, 0.11
HSL	198°, 62%, 71%
HSV	198°, 40%, 89%
XYZ	44.8464, 52.1730, 80.3794
YIQ	184.2410, -46.2150, -4.9590

Conversions

Conversions Part 2

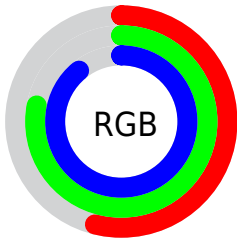
Format	Color
R _Y B	137, 174, 227
Decimal	9029859
CIE Lab	77.38, -13.26, -19.75
CIE LCh	77, 23.789, 236.113
Yxy	52.1730, 0.2528, 0.2941
Android (android.graphics.Color)	4287219939 (0xFF89C8E3)
YUV	184.2410, 21.0802, -41.4304
Hunter-Lab	72.2309, -15.5777, -15.4170

Details

The Yxy color **52.1730, 0.2528, 0.2941** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **44.7277, 0.3993, 0.3609**, and the grayscale version is **47.9843, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.0775, 0.2768, 0.3289**, and **25.3302, 0.2374, 0.2835** is the 20% darker color. If you saturate the color by 10%, you get **47.3639, 0.2392, 0.2836**, and if you desaturate by 10%, it is **57.5307, 0.2673, 0.3040**.

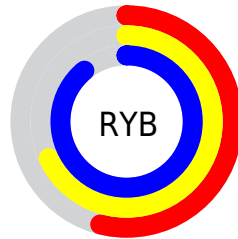
Distribution



Red (54%)

Green (78%)

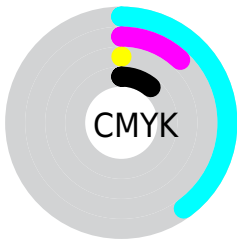
Blue (89%)



Red (54%)

Yellow (68%)

Blue (89%)

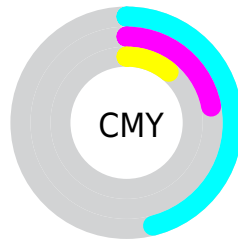


Cyan (40%)

Magenta (12%)

Yellow (0%)

Black (11%)



Cyan (46%)

Magenta (22%)

Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 52.1730, 0.2528, 0.2941 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 52.1730, 0.2528, 0.2941 by changing the saturation by 10% instead.

■ 52.1730, 0.2528,
0.2941

■ 52.1730, 0.2528,
0.2941

■ 395.1041, 0.2815,
0.3116

■ 37.1430, 0.2460,
0.2898

■ 93.3863, 0.2629,
0.3004

■ 25.3182, 0.2376,
0.2842

■ 120.3384, 0.2668,
0.3028

■ 16.3143, 0.2267,
0.2769

■ 152.0334, 0.2702,
0.3049

■ 9.7468, 0.2123,
0.2669

■ 188.8555, 0.2730,
0.3066

■ 5.2314, 0.1924,
0.2525

■ 231.1893, 0.2756,
0.3081

■ 2.3837, 0.1635,
0.2299

■ 279.4190, 0.2778,

■ 0.8175, 0.1074,

0.3094

0.1937

333.9292, 0.2797,
0.3106

0.0000, 0.0000,
0.0000

52.1730, 0.2528,
0.2941

52.1730, 0.2528,
0.2941

47.3639, 0.2392,
0.2836

57.5307, 0.2673,
0.3040

43.0700, 0.2270,
0.2725

63.4561, 0.2825,
0.3132

39.2630, 0.2165,
0.2612

69.9743, 0.2979,
0.3217

35.9088, 0.2078,
0.2497

77.1072, 0.3133,
0.3293

32.9668, 0.2012,
0.2382

84.8753, 0.3285,
0.3361

■ 30.3713, 0.1964,
0.2270

■ 89.6624, 0.3308,
0.3427

■ 30.2736, 0.1963,
0.2265

■ 93.7740, 0.3300,
0.3493

■ 98.0384, 0.3292,
0.3558

■ 98.3261, 0.3292,
0.3562

Harmonies

Analogous

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



52.1730, 0.2585, 0.3203



52.1730, 0.2528, 0.2941



52.1730, 0.2620, 0.2790

Triad

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



52.1730, 0.2528, 0.2941



52.1730, 0.3472, 0.3076



52.1730, 0.3393, 0.3863

Complementary

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



52.1730, 0.2528, 0.2941



44.7277, 0.3993, 0.3609

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.



52.1730, 0.3648, 0.3793



52.1730, 0.2528, 0.2941



52.1730, 0.3700, 0.3333

Square

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



52.1730, 0.2528, 0.2941



52.1730, 0.3155, 0.2875



52.1730, 0.3764, 0.3593



52.1730, 0.3074, 0.3761

Rectangle

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



52.1730, 0.2528, 0.2941



52.1730, 0.2757, 0.2763



52.1730, 0.3764, 0.3593



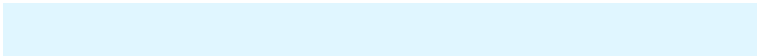
52.1730, 0.3489, 0.3858

Sweetspot

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



52.1750, 0.2528, 0.2941



88.9251, 0.2941, 0.3196



62.9472, 0.2920, 0.4130



18.7907, 0.2920, 0.3186



0.0000, 0.0000, 0.0000



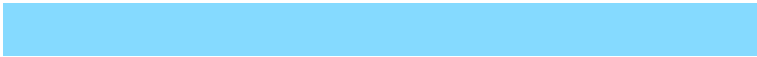
21.4041, 0.3127, 0.3290

Same Dimension

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



52.1750, 0.2528, 0.2941



62.4340, 0.2409, 0.2850



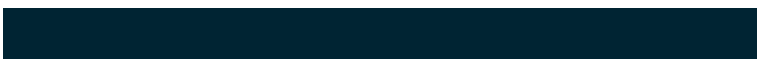
34.3390, 0.2433, 0.2325



15.5669, 0.2981, 0.3218



17.8690, 0.1967, 0.2282



1.4813, 0.2013, 0.2447

Inverse Universe

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



38.4176, 0.3431, 0.2581



42.9995, 0.3522, 0.2433



63.7499, 0.3791, 0.4096



14.5376, 0.3184, 0.3127



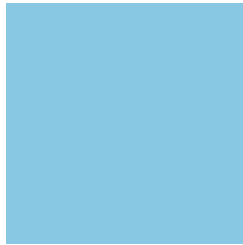
11.0016, 0.4145, 0.2057



0.8292, 0.3975, 0.1964

Previews

White Background



This preview shows how the Yxy color 52.1730, 0.2528, 0.2941 looks on a white background.

Color Contrast Check

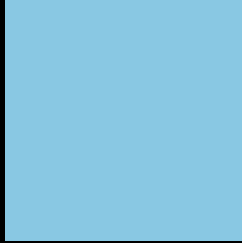
Large Text (above 18pt) WCAG AA × Fail

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 52.1730, 0.2528, 0.2941 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

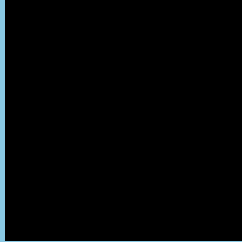
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 52.1730, 0.2528, 0.2941

Background



This preview shows how black text looks on a background with the Yxy color 52.1730, 0.2528, 0.2941.



This preview shows how white text looks on a background with the Yxy color 52.1730, 0.2528, 0.2941.

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

52.1730, 0.2528, 0.2941

Protanopia

51.8768, 0.2872, 0.2914

Deuteranopia

51.6498, 0.2832, 0.2769



Tritanopia

52.4539, 0.2569, 0.3079

Trichromacy



Original Color

52.1730, 0.2528, 0.2941

Protanomaly

51.7925, 0.2733, 0.2917

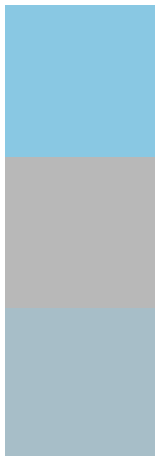
Deuteranomaly

51.4648, 0.2707, 0.2823

Tritanomaly

52.2280, 0.2556, 0.3028

Monochromacy



Original Color

52.1730, 0.2528, 0.2941

Achromatopsia

47.9320, 0.3127, 0.3290

Achromatomaly

49.2125, 0.2874, 0.3159

CSS Examples

Text

The CSS property to change the color of the text to Yxy 52.1730, 0.2528, 0.2941 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(137, 200, 227)` looks like.

```
.text, #text, p{  
    color:rgb(137, 200, 227)  
}
```

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(137, 200, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 200, 227) }
```

Border

The CSS property to change the border of an element to Yxy 52.1730, 0.2528, 0.2941 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(137, 200, 227) }
```

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

```
.border{ border-color:rgb(137, 200, 227) }
```

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

Here you see how a box with a 4 pixel rgb(137, 200, 227) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 200, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 200, 227);  
box-shadow:4px 4px 4px 4px rgb(137, 200,  
227) }
```


Background

The CSS property to change the background color of an element to Yxy 52.1730, 0.2528, 0.2941 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 200, 227) }
```

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

```
.background{ background-color: rgb(137,  
200, 227) }
```

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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