

Converting Colors

$Y_{xy}(49.3053, 0.2496, 0.2710)$

Have a look what the booklet for
Yxy(49.3053, 0.2496, 0.2710)
contains.

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Color

Yxy(49.3053, 0.2496, 0.2710)

Conversions

Conversions Part 1

Format	Color
Hex	90BFED
RGB	144, 191, 237
RGB Percent	56%, 75%, 93%
CMY	0.4354, 0.2509, 0.0707
CMYK	0.39, 0.19, 0.00, 0.07
HSL	210°, 72%, 75%
HSV	210°, 39%, 93%
XYZ	45.4118, 49.3053, 87.2213
YIQ	182.1910, -42.7780, 4.3420

Conversions

Conversions Part 2

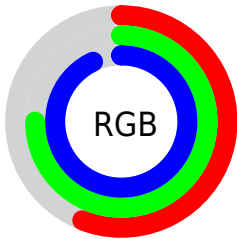
Format	Color
RYB	144, 175, 237
Decimal	9486317
CIELab	75.64, -4.12, -27.74
CIELCh	76, 28.048, 261.552
Yxy	49.3053, 0.2496, 0.2710
Android (android.graphics.Color)	4287676397 (0xFF90BFED)
YUV	182.1910, 27.0208, -33.4935
Hunter-Lab	70.2177, -7.4400, -24.4949

Details

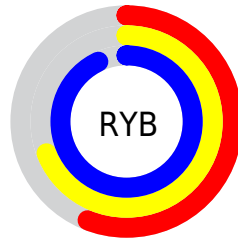
The Yxy color **49.3053, 0.2496, 0.2710** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **56.8130, 0.3905, 0.3802**, and the grayscale version is **46.7544, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.0209, 0.2799, 0.3205**, and **23.6370, 0.2334, 0.2560** is the 20% darker color. If you saturate the color by 10%, you get **42.4869, 0.2337, 0.2530**, and if you desaturate by 10%, it is **56.9838, 0.2660, 0.2879**.

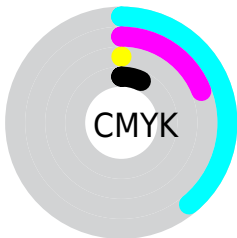
Distribution



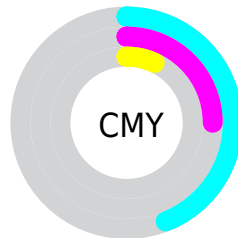
- Red (56%)
- Green (75%)
- Blue (93%)



- Red (56%)
- Yellow (69%)
- Blue (93%)



- Cyan (39%)
- Magenta (19%)
- Yellow (0%)
- Black (7%)



- Cyan (44%)
- Magenta (25%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 49.3053, 0.2496, 0.2710 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 49.3053, 0.2496, 0.2710 by changing the saturation by 10% instead.

■ 49.3053, 0.2496,
0.2710

■ 49.3053, 0.2496,
0.2710

■ 383.9430, 0.2801,
0.2994

■ 34.8617, 0.2424,
0.2642

■ 89.1447, 0.2604,
0.2811

■ 23.5564, 0.2333,
0.2556

■ 115.3094, 0.2645,
0.2850

■ 15.0049, 0.2217,
0.2445

■ 146.1498, 0.2681,
0.2883

■ 8.8228, 0.2063,
0.2296

■ 182.0505, 0.2711,
0.2911

■ 4.6258, 0.1851,
0.2088

■ 223.3957, 0.2738,
0.2936

■ 2.0294, 0.1547,
0.1784

■ 270.5699, 0.2761,

■ 0.6245, 0.1013,

0.2958

0.1284

323.9576, 0.2782,
0.2977

0.0000, 0.0000,
0.0000

49.3053, 0.2496,
0.2710

49.3053, 0.2496,
0.2710

42.4869, 0.2337,
0.2530

56.9838, 0.2660,
0.2879

36.4851, 0.2187,
0.2340

65.5517, 0.2824,
0.3033

31.2605, 0.2051,
0.2145

75.0437, 0.2984,
0.3173

26.7671, 0.1936,
0.1951

85.4904, 0.3139,
0.3299

22.9515, 0.1844,
0.1762

95.4778, 0.3237,
0.3412

■ 19.7364, 0.1775,
0.1584

■ 98.8927, 0.3232,
0.3464

■ 19.5104, 0.1770,
0.1571

Harmonies

Analogous

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



49.3053, 0.2414, 0.2908



49.3053, 0.2496, 0.2710



49.3053, 0.2739, 0.2667

Triad

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



49.3053, 0.2496, 0.2710



49.3053, 0.3787, 0.3288



49.3053, 0.3118, 0.3895

Complementary

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



49.3053, 0.2496, 0.2710



56.8130, 0.3905, 0.3802

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.



49.3053, 0.3496, 0.3981



49.3053, 0.2496, 0.2710



49.3053, 0.3896, 0.3601

Square

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



49.3053, 0.2496, 0.2710



49.3053, 0.3487, 0.2993



49.3053, 0.3785, 0.3860



49.3053, 0.2758, 0.3610

Rectangle

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



49.3053, 0.2496, 0.2710



49.3053, 0.2970, 0.2722



49.3053, 0.3785, 0.3860



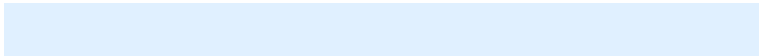
49.3053, 0.3248, 0.3949

Sweetspot

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



49.3072, 0.2496, 0.2710



85.3788, 0.2939, 0.3136



70.1501, 0.2830, 0.3896



17.9551, 0.2919, 0.3118



0.0000, 0.0000, 0.0000



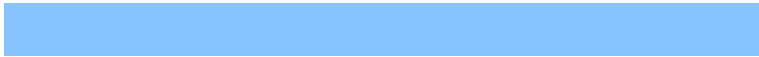
21.4041, 0.3127, 0.3290

Same Dimension

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



49.3072, 0.2496, 0.2710



51.7581, 0.2369, 0.2567



32.4533, 0.2404, 0.2109



15.8082, 0.2981, 0.3171



10.9182, 0.1778, 0.1599



1.0499, 0.1847, 0.1848

Inverse Universe

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



41.7021, 0.3608, 0.2771



42.6047, 0.3750, 0.2669



79.6708, 0.3721, 0.4249



15.1812, 0.3214, 0.3171



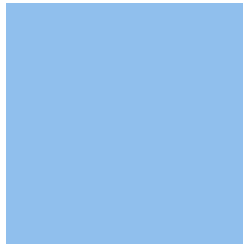
10.5950, 0.4932, 0.2490



0.8514, 0.4628, 0.2323

Previews

White Background



This preview shows how the Yxy color 49.3053, 0.2496, 0.2710 looks on a white background.

Color Contrast Check

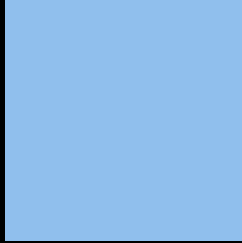
Large Text (above 18pt) WCAG AA × Fail

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 49.3053, 0.2496, 0.2710 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

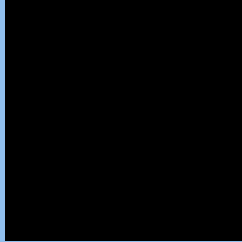
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

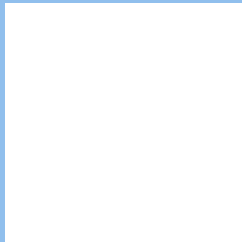
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 49.3053, 0.2496, 0.2710

Background



This preview shows how black text looks on a background with the Yxy color 49.3053, 0.2496, 0.2710.



This preview shows how white text looks on a background with the Yxy color 49.3053, 0.2496, 0.2710.

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

49.3053, 0.2496, 0.2710

Protanopia

49.1058, 0.2709, 0.2706

Deuteranopia

48.9180, 0.2677, 0.2608



Tritanopia

49.5014, 0.2609, 0.3088

Trichromacy



Original Color

49.3053, 0.2496, 0.2710

Protanomaly

49.2677, 0.2625, 0.2710

Deuteranomaly

48.7635, 0.2605, 0.2641

Tritanomaly

49.3263, 0.2572, 0.2948

Monochromacy



Original Color

49.3053, 0.2496, 0.2710

Achromatopsia

46.7784, 0.3127, 0.3290

Achromatomaly

47.2870, 0.2865, 0.3068

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.3053, 0.2496, 0.2710 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(144, 191, 237)` looks like.

```
.text, #text, p{  
    color:rgb(144, 191, 237)  
}
```

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(144, 191, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 191, 237) }
```

Border

The CSS property to change the border of an element to Yxy 49.3053, 0.2496, 0.2710 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(144, 191, 237) }
```

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

```
.border{ border-color:rgb(144, 191, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(144, 191, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(144, 191, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(144, 191, 237);  
box-shadow:4px 4px 4px 4px rgb(144, 191,  
237) }
```


Background

The CSS property to change the background color of an element to Yxy 49.3053, 0.2496, 0.2710 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 191, 237) }
```

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

```
.background{ background-color: rgb(144,  
191, 237) }
```

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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