

Converting Colors

$Yxy(61.7502, 0.2456, 0.2816)$

Have a look what the booklet for
Yxy(61.7502, 0.2456, 0.2816)
contains.

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Color

Yxy(61.7502, 0.2456, 0.2816)

Conversions

Conversions Part 1

Format	Color
Hex	90D7FF
RGB	144, 215, 255
RGB Percent	56%, 84%, 100%
CMY	0.4351, 0.1569, 0.0000
CMYK	0.44, 0.16, 0.00, 0.00
HSL	202°, 100%, 78%
HSV	202°, 44%, 100%
XYZ	53.8560, 61.7502, 103.6772
YIQ	198.3310, -55.1560, -2.6120

Conversions

Conversions Part 2

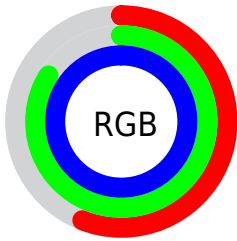
Format	Color
R_{YB}	144, 187, 255
Decimal	9492479
CIE _{Lab}	82.78, -12.03, -26.45
CIE _{LCh}	83, 29.057, 245.542
Yxy	61.7502, 0.2456, 0.2816
Android (android.graphics.Color)	4287682559 (0xFF90D7FF)
YUV	198.3310, 27.9378, -47.6483
Hunter-Lab	78.5813, -15.1816, -23.2181

Details

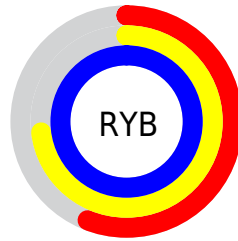
The Yxy color **61.7502, 0.2456, 0.2816** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **57.5700, 0.4087, 0.3710**, and the grayscale version is **56.5426, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.2966, 0.2816, 0.3289**, and **31.2451, 0.2301, 0.2694** is the 20% darker color. If you saturate the color by 10%, you get **55.1587, 0.2317, 0.2684**, and if you desaturate by 10%, it is **69.1280, 0.2605, 0.2941**.

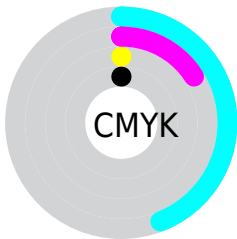
Distribution



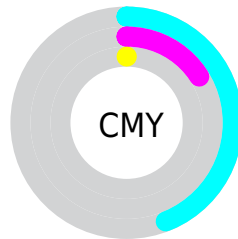
- Red (56%)
- Green (84%)
- Blue (100%)



- Red (56%)
- Yellow (73%)
- Blue (100%)



- Cyan (44%)
- Magenta (16%)
- Yellow (0%)
- Black (0%)



- Cyan (44%)
- Magenta (16%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 61.7502, 0.2456, 0.2816 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 61.7502, 0.2456, 0.2816 by changing the saturation by 10% instead.

61.7502, 0.2456,
0.2816

61.7502, 0.2456,
0.2816

431.0193, 0.2767,
0.3044

44.8309, 0.2386,
0.2762

107.3644, 0.2563,
0.2896

31.3242, 0.2299,
0.2696

136.8281, 0.2605,
0.2927

20.8459, 0.2191,
0.2610

171.2421, 0.2641,
0.2954

13.0114, 0.2051,
0.2497

210.9906, 0.2673,
0.2977

7.4364, 0.1866,
0.2342

256.4583, 0.2701,
0.2997

3.7365, 0.1610,
0.2119

308.0293, 0.2725,

1.5273, 0.1245,

0.3014

0.1778

366.0882, 0.2747,
0.3030

0.3078, 0.0000,
0.1000

0.0000, 0.0000,
0.0000

61.7502, 0.2456,
0.2816

61.7502, 0.2456,
0.2816

55.1587, 0.2317,
0.2684

69.1280, 0.2605,
0.2941

49.3067, 0.2192,
0.2546

77.3211, 0.2760,
0.3056

44.1525, 0.2085,
0.2406

86.3656, 0.2917,
0.3163

39.6455, 0.1998,
0.2265

96.2926, 0.3073,
0.3259

■ 35.7250, 0.1933,
0.2127

99.9992, 0.3127,
0.3290

■ 33.4393, 0.1900,
0.2039

Harmonies

Analogous

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



61.7502, 0.2466, 0.3080



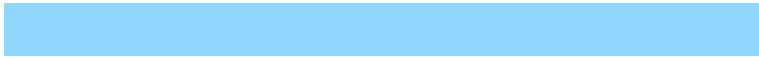
61.7502, 0.2456, 0.2816



61.7502, 0.2611, 0.2694

Triad

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



61.7502, 0.2456, 0.2816



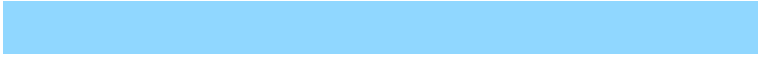
61.7502, 0.3625, 0.3131



61.7502, 0.3318, 0.3941

Complementary

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



61.7502, 0.2456, 0.2816



57.5700, 0.4087, 0.3710

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.



61.7502, 0.3647, 0.3914



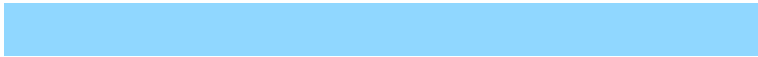
61.7502, 0.2456, 0.2816



61.7502, 0.3836, 0.3432

Square

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



61.7502, 0.2456, 0.2816



61.7502, 0.3277, 0.2878



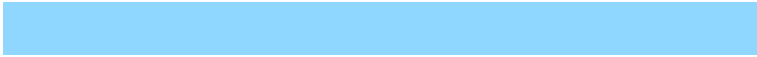
61.7502, 0.3842, 0.3718



61.7502, 0.2950, 0.3762

Rectangle

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



61.7502, 0.2456, 0.2816



61.7502, 0.2795, 0.2695



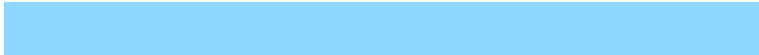
61.7502, 0.3842, 0.3718



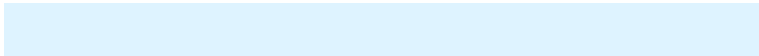
61.7502, 0.3437, 0.3955

Sweetspot

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



61.7526, 0.2456, 0.2816



86.8573, 0.2925, 0.3168



80.8599, 0.2875, 0.4167



18.1456, 0.2890, 0.3145



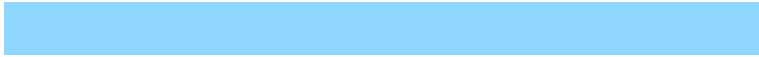
0.0000, 0.0000, 0.0000



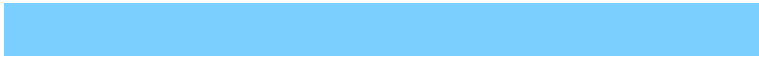
21.4041, 0.3127, 0.3290

Same Dimension

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



61.7526, 0.2456, 0.2816



56.1102, 0.2337, 0.2704



38.5342, 0.2339, 0.2134



19.3154, 0.2980, 0.3202



17.7679, 0.1906, 0.2061



1.9373, 0.1949, 0.2217

Inverse Universe

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



46.1251, 0.3538, 0.2570



39.7924, 0.3652, 0.2441



84.6243, 0.3843, 0.4226



18.1827, 0.3194, 0.3139



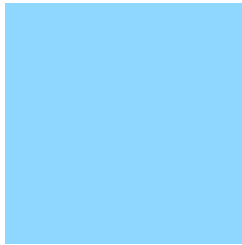
12.5216, 0.4384, 0.2189



1.2401, 0.4214, 0.2095

Previews

White Background



This preview shows how the Yxy color 61.7502, 0.2456, 0.2816 looks on a white background.

Color Contrast Check

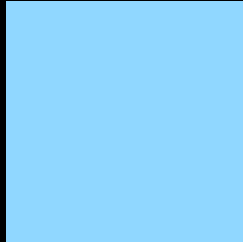
Large Text (above 18pt) WCAG AA × Fail

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 61.7502, 0.2456, 0.2816 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

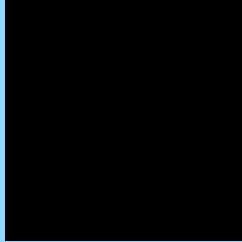
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

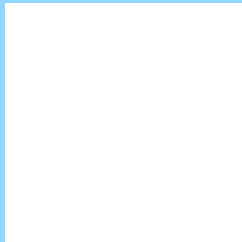
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 61.7502, 0.2456, 0.2816

Background



This preview shows how black text looks on a background with the Yxy color 61.7502, 0.2456, 0.2816.



This preview shows how white text looks on a background with the Yxy color 61.7502, 0.2456, 0.2816.

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

61.7502, 0.2456, 0.2816

Protanopia

61.1630, 0.2786, 0.2797

Deuteranopia

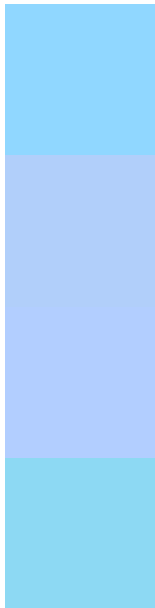
60.9991, 0.2749, 0.2695



Tritanopia

61.6879, 0.2529, 0.3067

Trichromacy



Original Color

61.7502, 0.2456, 0.2816

Protanomaly

60.8749, 0.2650, 0.2796

Deuteranomaly

60.8276, 0.2627, 0.2733

Tritanomaly

61.7595, 0.2502, 0.2973

Monochromacy



Original Color

61.7502, 0.2456, 0.2816

Achromatopsia

56.4712, 0.3127, 0.3290

Achromatomaly

57.7652, 0.2837, 0.3107

CSS Examples

Text

The CSS property to change the color of the text to Yxy 61.7502, 0.2456, 0.2816 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, 215, 255)` looks like.

```
.text, #text, p{  
    color:rgb(144, 215, 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(144, 215, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 215, 255) }
```

Border

The CSS property to change the border of an element to Yxy 61.7502, 0.2456, 0.2816 is called "border". The border property can be set on classes, ids or directly on the HTML element.

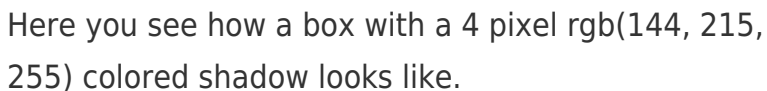
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(144, 215, 255) }
```

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

```
.border{ border-color:rgb(144, 215, 255) }
```

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



Here you see how a box with a 4 pixel `rgb(144, 215, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(144, 215, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(144, 215, 255);  
box-shadow:4px 4px 4px 4px rgb(144, 215,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 61.7502, 0.2456, 0.2816 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 215, 255) }
```

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

```
.background{ background-color: rgb(144,  
215, 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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