

Converting Colors

$Yxy(68.7231, 0.2141, 0.2092)$

Have a look what the booklet for
Yxy(68.7231, 0.2141, 0.2092)
contains.

| | |
|--|----|
| Yxy(62.2610, 0.2458, 0.2828) | 3 |
| <i>Conversions</i> | 4 |
| <i>Details</i> | 6 |
| <i>Harmonies</i> | 12 |
| <i>Previews</i> | 24 |
| <i>Color Blindness Simulation</i> | 27 |
| <i>CSS Examples</i> | 30 |

Color

Yxy(62.2610, 0.2458, 0.2828)

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | 90D8FF |
| RGB | 144, 216, 255 |
| RGB Percent | 56%, 85%, 100% |
| CMY | 0.4351, 0.1530, 0.0000 |
| CMYK | 0.44, 0.15, 0.00, 0.00 |
| HSL | 201°, 100%, 78% |
| HSV | 201°, 44%, 100% |
| XYZ | 54.1151, 62.2610, 103.7830 |
| YIQ | 198.9180, -55.4310, -3.1350 |

Conversions

Conversions Part 2

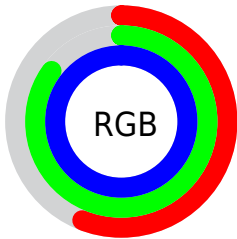
| Format | Color |
|-------------------------------------|---|
| RYB | 144, 188, 255 |
| Decimal | 9492735 |
| CIELab | 83.05, -12.54, -26.05 |
| CIELCh | 83, 28.909, 244.296 |
| Yxy | 62.2610, 0.2458, 0.2828 |
| Android (android.graphics.Color) | 4287682815 (0xFF90D8FF) |
| YUV | 198.9180, 27.6484, -48.1631 |
| Hunter-Lab | 78.9056, -15.6659, -22.7490 |

Details

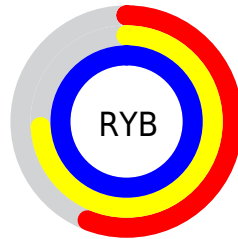
The Yxy color **62.2610, 0.2458, 0.2828** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **57.1664, 0.4092, 0.3700**, and the grayscale version is **56.9209, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.2966, 0.2816, 0.3289**, and **31.5454, 0.2300, 0.2710** is the 20% darker color. If you saturate the color by 10%, you get **55.7499, 0.2320, 0.2700**, and if you desaturate by 10%, it is **69.5444, 0.2606, 0.2950**.

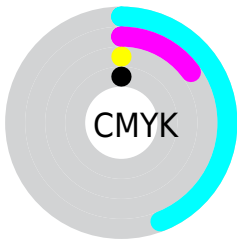
Distribution



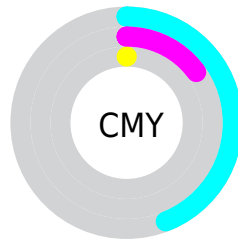
- Red (56%)
- Green (85%)
- Blue (100%)



- Red (56%)
- Yellow (74%)
- Blue (100%)



- Cyan (44%)
- Magenta (15%)
- Yellow (0%)
- Black (0%)





- Cyan (44%)
- Magenta (15%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 62.2610, 0.2458, 0.2828 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 62.2610, 0.2458, 0.2828 by changing the saturation by 10% instead.


 62.2610, 0.2458,
0.2828

 62.2610, 0.2458,
0.2828


432.8825, 0.2767,
0.3050

 45.2436, 0.2388,
0.2776


 108.1027, 0.2565,
0.2906

 31.6494, 0.2302,
0.2710


 137.6957, 0.2607,
0.2937

 21.0938, 0.2194,
0.2627


172.2495, 0.2643,
0.2962

 13.1926, 0.2056,
0.2517

212.1484, 0.2674,
0.2985

 7.5613, 0.1871,
0.2365

257.7767, 0.2701,
0.3004

 3.8155, 0.1618,
0.2147

309.5189, 0.2726,

 1.5709, 0.1255,

0.3021

0.1813

367.7594, 0.2748,
0.3037

0.3379, 0.0048,
0.1078

0.0000, 0.0000,
0.0000

62.2610, 0.2458,
0.2828

62.2610, 0.2458,
0.2828

55.7499, 0.2320,
0.2700

69.5444, 0.2606,
0.2950

49.9671, 0.2197,
0.2566

77.6314, 0.2760,
0.3062

44.8704, 0.2091,
0.2429

86.5568, 0.2917,
0.3166

40.4097, 0.2005,
0.2292

96.3516, 0.3073,
0.3259

■ 36.5245, 0.1941,
0.2157

100.0000, 0.3127,
0.3290

■ 34.2562, 0.1909,
0.2071

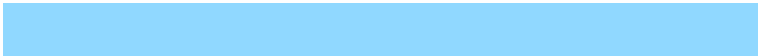
Harmonies

Analogous

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



62.2610, 0.2475, 0.3095



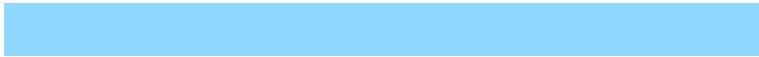
62.2610, 0.2458, 0.2828



62.2610, 0.2606, 0.2700

Triad

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



62.2610, 0.2458, 0.2828



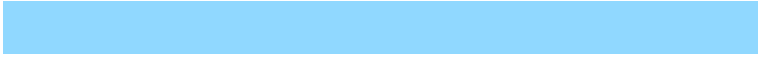
62.2610, 0.3609, 0.3121



62.2610, 0.3332, 0.3939

Complementary

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



62.2610, 0.2458, 0.2828



57.1664, 0.4092, 0.3700

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.



62.2610, 0.3655, 0.3904



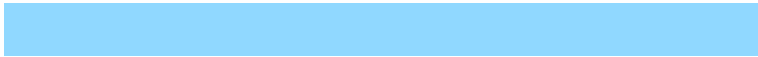
62.2610, 0.2458, 0.2828



62.2610, 0.3826, 0.3419

Square

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



62.2610, 0.2458, 0.2828



62.2610, 0.3260, 0.2872



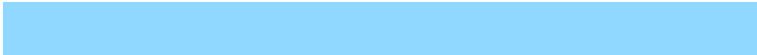
62.2610, 0.3840, 0.3704



62.2610, 0.2966, 0.3769

Rectangle

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



62.2610, 0.2458, 0.2828



62.2610, 0.2785, 0.2698



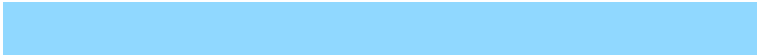
62.2610, 0.3840, 0.3704



62.2610, 0.3449, 0.3950

Sweetspot

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



62.2625, 0.2458, 0.2828



87.0340, 0.2925, 0.3171



80.8681, 0.2875, 0.4167



18.1893, 0.2890, 0.3149



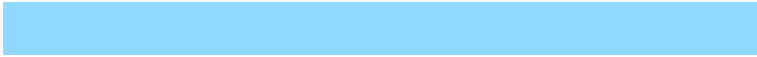
0.0000, 0.0000, 0.0000



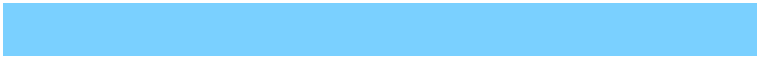
21.4041, 0.3127, 0.3290

Same Dimension

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



62.2625, 0.2458, 0.2828



56.6848, 0.2340, 0.2719



38.5371, 0.2339, 0.2134



19.3435, 0.2980, 0.3204



18.1908, 0.1915, 0.2093



1.9766, 0.1957, 0.2245

Inverse Universe

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



46.1799, 0.3528, 0.2561



39.8504, 0.3639, 0.2430



84.6329, 0.3843, 0.4226



18.1855, 0.3192, 0.3137



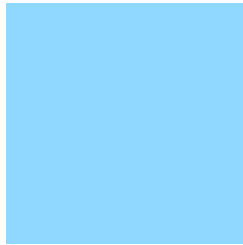
12.5643, 0.4349, 0.2169



1.2441, 0.4184, 0.2079

Previews

White Background



This preview shows how the Yxy color 62.2610, 0.2458, 0.2828 looks on a white background.

Color Contrast Check

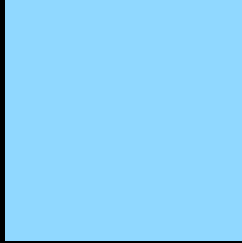
Large Text (above 18pt) WCAG AA × Fail

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 62.2610, 0.2458, 0.2828 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

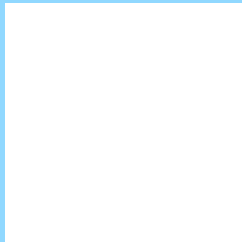
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 62.2610, 0.2458, 0.2828

Background



This preview shows how black text looks on a background with the Yxy color 62.2610, 0.2458, 0.2828.



This preview shows how white text looks on a background with the Yxy color 62.2610, 0.2458, 0.2828.

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

62.2610, 0.2458, 0.2828

Protanopia

61.7714, 0.2793, 0.2810

Deuteranopia

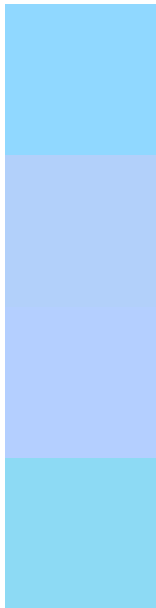
61.7404, 0.2764, 0.2709



Tritanopia

62.2664, 0.2526, 0.3068

Trichromacy



Original Color

62.2610, 0.2458, 0.2828

Protanomaly

61.4789, 0.2658, 0.2809

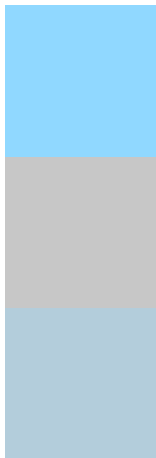
Deuteranomaly

61.5489, 0.2641, 0.2746

Tritanomaly

62.3372, 0.2500, 0.2974

Monochromacy



Original Color

62.2610, 0.2458, 0.2828

Achromatopsia

57.1125, 0.3127, 0.3290

Achromatomaly

58.3608, 0.2845, 0.3120

CSS Examples

Text

The CSS property to change the color of the text to Yxy 62.2610, 0.2458, 0.2828 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, 216, 255)` looks like.

```
.text, #text, p{  
    color:rgb(144, 216, 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, 216, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 216, 255) }
```

Border

The CSS property to change the border of an element to Yxy 62.2610, 0.2458, 0.2828 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, 216, 255) }
```

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

```
.border{ border-color:rgb(144, 216, 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, 216, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(144, 216, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(144, 216, 255);  
box-shadow:4px 4px 4px 4px rgb(144, 216,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 62.2610, 0.2458, 0.2828 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 216, 255) }
```

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

```
.background{ background-color: rgb(144,  
216, 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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