

Converting Colors

$Y_{xy}(22.5072, 0.2013, 0.1500)$

Have a look what the booklet for
Yxy(22.5072, 0.2013, 0.1500)
contains.

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Color

Yxy(22.6073, 0.2013, 0.1505)

Conversions

Conversions Part 1

Format	Color
Hex	6B73FF
RGB	107, 115, 255
RGB Percent	42%, 45%, 100%
CMY	0.5806, 0.5489, 0.0000
CMYK	0.58, 0.55, 0.00, 0.00
HSL	237°, 100%, 71%
HSV	237°, 58%, 100%
XYZ	30.2382, 22.6073, 97.3691
YIQ	128.5680, -49.7080, 41.8440

Conversions

Conversions Part 2

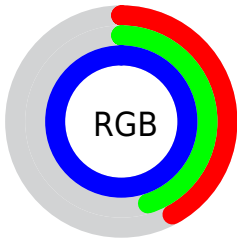
Format	Color
RYB	107, 115, 255
Decimal	7042047
CIELab	54.67, 36.74, -70.85
CIElCh	55, 79.808, 297.409
Yxy	22.6073, 0.2013, 0.1505
Android (android.graphics.Color)	4285232127 (0xFF6B73FF)
YUV	128.5680, 62.3310, -18.9151
Hunter-Lab	47.5471, 30.3119, -88.1337

Details

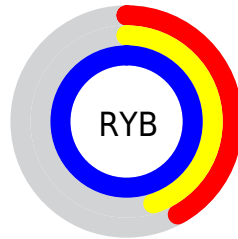
The Yxy color **22.6073, 0.2013, 0.1505** is a light color, and the websafe version is hex **6666FF**. A complement of this color would be **88.7964, 0.3998, 0.4603**, and the grayscale version is **21.5846, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.2924, 0.2513, 0.2255**, and **8.3067, 0.1687, 0.1113** is the 20% darker color. If you saturate the color by 10%, you get **16.4553, 0.1826, 0.1191**, and if you desaturate by 10%, it is **30.6640, 0.2220, 0.1846**.

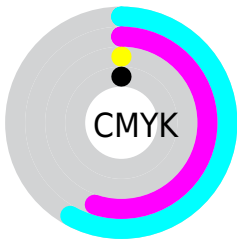
Distribution



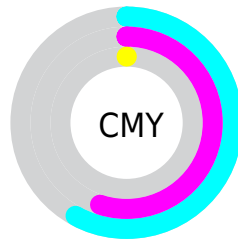
- Red (42%)
- Green (45%)
- Blue (100%)



- Red (42%)
- Yellow (45%)
- Blue (100%)



- Cyan (58%)
- Magenta (55%)
- Yellow (0%)
- Black (0%)




- Cyan (58%)
- Magenta (55%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 22.6073, 0.2013, 0.1505 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 22.6073, 0.2013, 0.1505 by changing the saturation by 10% instead.


 22.6073, 0.2013,
0.1505


 22.6073, 0.2013,
0.1505


265.7015, 0.2602,
0.2344


 14.3038, 0.1868,
0.1325


 47.7477, 0.2228,
0.1790

 8.3323, 0.1687,
0.1113


 65.3534, 0.2309,
0.1903

 4.3083, 0.1459,
0.0867


 86.8286, 0.2377,
0.2002

 1.8475, 0.1171,
0.0590

 112.5578, 0.2435,
0.2088

 0.5165, 0.0820,
0.0280

142.9253, 0.2486,
0.2164

 0.0000, 0.0335,
0.0000

178.3155, 0.2529,

 0.0000, 0.0000,

0.2231

0.0000

219.1128, 0.2568,
0.2290

■ 22.6073, 0.2013,
0.1505

■ 22.6073, 0.2013,
0.1505

■ 16.4553, 0.1826,
0.1191

■ 30.6640, 0.2220,
0.1846

■ 12.0492, 0.1673,
0.0930

■ 40.7629, 0.2433,
0.2190

■ 9.2074, 0.1568,
0.0742

■ 53.0311, 0.2638,
0.2520

■ 7.7029, 0.1513,
0.0636

■ 67.5846, 0.2830,
0.2823

■ 7.5304, 0.1507,
0.0623

■ 84.5314, 0.3002,
0.3095

99.9994, 0.3127,
0.3290

Harmonies

Analogous

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



22.6073, 0.1339, 0.1460



22.6073, 0.2013, 0.1505



22.6073, 0.3187, 0.1843

Triad

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



22.6073, 0.2013, 0.1505



22.6073, 0.5626, 0.3984



22.6073, 0.1609, 0.4206

Complementary

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



22.6073, 0.2013, 0.1505



88.7964, 0.3998, 0.4603

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.



22.6073, 0.2577, 0.5731



22.6073, 0.2013, 0.1505



22.6073, 0.4851, 0.4927

Square

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



22.6073, 0.2013, 0.1505



22.6073, 0.5649, 0.3174



22.6073, 0.3744, 0.5793



22.6073, 0.1121, 0.2611

Rectangle

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



22.6073, 0.2013, 0.1505



22.6073, 0.4176, 0.2219



22.6073, 0.3744, 0.5793



22.6073, 0.1886, 0.4813

Sweetspot

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



22.6080, 0.2013, 0.1505



69.2638, 0.2849, 0.2853



81.2370, 0.2444, 0.3404



14.1482, 0.2812, 0.2795



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.



22.6080, 0.2013, 0.1505



15.4681, 0.1793, 0.1136



26.3951, 0.2445, 0.1609



17.5364, 0.2978, 0.3058



3.9988, 0.1509, 0.0632



0.4427, 0.1530, 0.0709

Inverse Universe

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



33.0025, 0.4834, 0.3218



27.1735, 0.5396, 0.3219



83.6304, 0.3513, 0.4909



18.0031, 0.3286, 0.3277



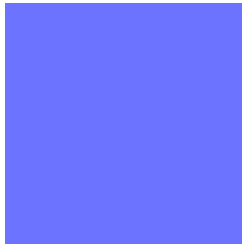
11.1316, 0.6346, 0.3270



1.0892, 0.6218, 0.3199

Previews

White Background



This preview shows how the Yxy color 22.6073, 0.2013, 0.1505 looks on a white background.

Color Contrast Check

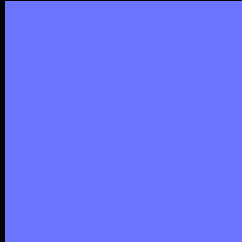
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.6073, 0.2013, 0.1505 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 × Fail

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

Yxy 22.6073, 0.2013, 0.1505

Background



This preview shows how black text looks on a background with the Yxy color 22.6073, 0.2013, 0.1505.



This preview shows how white text looks on a background with the Yxy color 22.6073, 0.2013, 0.1505.

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

22.6073, 0.2013, 0.1505

Protanopia

22.8198, 0.1822, 0.1550

Deuteranopia

22.6013, 0.1835, 0.1807



Tritanopia

22.4735, 0.2375, 0.3058

Trichromacy



Original Color

22.6073, 0.2013, 0.1505

Protanomaly

22.4787, 0.1871, 0.1523

Deuteranomaly

21.6443, 0.1834, 0.1652

Tritanomaly

21.9257, 0.2204, 0.2317

Monochromacy



Original Color

22.6073, 0.2013, 0.1505

Achromatopsia

21.9526, 0.3127, 0.3290

Achromatomaly

21.5754, 0.2597, 0.2454

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.6073, 0.2013, 0.1505 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(107, 115, 255)` looks like.

```
.text, #text, p{  
    color:rgb(107, 115, 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(107, 115, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 115, 255) }
```

Border

The CSS property to change the border of an element to Yxy 22.6073, 0.2013, 0.1505 is called "border". The border property can be set on classes, ids or directly on the HTML element.

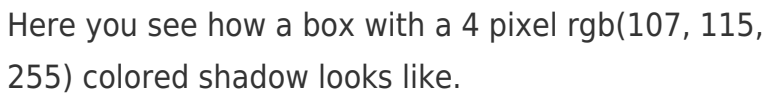
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(107, 115, 255) }
```

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

```
.border{ border-color:rgb(107, 115, 255) }
```

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



Here you see how a box with a 4 pixel `rgb(107, 115, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(107, 115, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(107, 115, 255);  
box-shadow:4px 4px 4px 4px rgb(107, 115,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 22.6073, 0.2013, 0.1505 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 115, 255) }
```

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

```
.background{ background-color: rgb(107,  
115, 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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