

Converting Colors

$Y_{xy}(44.4720, 0.2625, 0.2460)$

Have a look what the booklet for
Yxy(44.4720, 0.2625, 0.2460)
contains.

Yxy(44.5670, 0.2630, 0.2468)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(44.5670, 0.2630, 0.2468)

Conversions

Conversions Part 1

Format	Color
Hex	ACACF0
RGB	172, 172, 240
RGB Percent	67%, 67%, 94%
CMY	0.3255, 0.3255, 0.0589
CMYK	0.28, 0.28, 0.00, 0.06
HSL	240°, 69%, 81%
HSV	240°, 28%, 94%
XYZ	47.4924, 44.5670, 88.5200
YIQ	179.7520, -21.8280, 21.1480

Conversions

Conversions Part 2

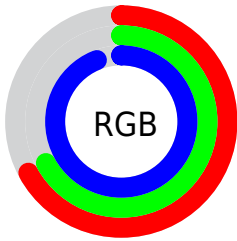
Format	Color
R _Y B	172, 172, 240
Decimal	11316464
CIE Lab	72.61, 14.84, -33.89
CIE LCh	73, 37.001, 293.648
Yxy	44.5670, 0.2630, 0.2468
Android (android.graphics.Color)	4289506544 (0xFFACACF0)
YUV	179.7520, 29.7023, -6.7985
Hunter-Lab	66.7585, 10.1585, -31.8860

Details

The Yxy color $44.5670, 0.2630, 0.2468$ is a light color, and the websafe version is hex $9999CC$. A complement of this color would be $83.8073, 0.3555, 0.3998$, and the grayscale version is $45.3501, 0.3127, 0.3290$.

A 20% lighter version of the original color is $78.8162, 0.2967, 0.3004$, and $20.7452, 0.2490, 0.2261$ is the 20% darker color. If you saturate the color by 10%, you get $33.7692, 0.2420, 0.2121$, and if you desaturate by 10%, it is $57.5078, 0.2824, 0.2789$.

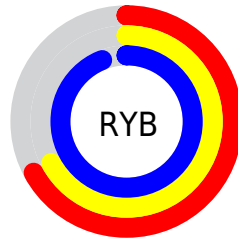
Distribution



Red (67%)

Green (67%)

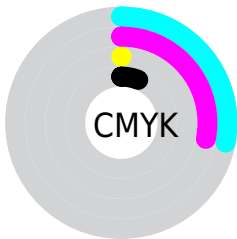
Blue (94%)



Red (67%)

Yellow (67%)

Blue (94%)

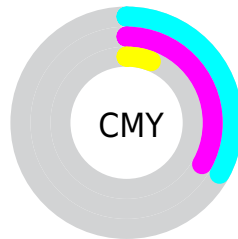


Cyan (28%)

Magenta (28%)

Yellow (0%)

Black (6%)



Cyan (33%)

Magenta (33%)

Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 44.5670, 0.2630, 0.2468 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 44.5670, 0.2630, 0.2468 by changing the saturation by 10% instead.

■ 44.5670, 0.2630,
0.2468

■ 44.5670, 0.2630,
0.2468

365.0171, 0.2879,
0.2861

■ 31.1165, 0.2569,
0.2376

■ 82.0703, 0.2720,
0.2606

■ 20.6876, 0.2491,
0.2263

106.8918, 0.2754,
0.2659

■ 12.8958, 0.2389,
0.2118

136.2725, 0.2783,
0.2705

■ 7.3569, 0.2252,
0.1929

170.5968, 0.2808,
0.2744

■ 3.6863, 0.2057,
0.1675

210.2490, 0.2829,
0.2779

■ 1.4997, 0.1767,
0.1322

255.6135, 0.2848,

■ 0.2885, 0.1317,

0.2809

0.0597

307.0747, 0.2864,
0.2836

0.0000, 0.0000,
0.0000

44.5670, 0.2630,
0.2468

44.5670, 0.2630,
0.2468

33.7692, 0.2420,
0.2121

57.5078, 0.2824,
0.2789

24.9940, 0.2203,
0.1762

72.6929, 0.2998,
0.3077

18.1171, 0.1992,
0.1413

90.2235, 0.3151,
0.3330

12.9983, 0.1803,
0.1101

99.0700, 0.3215,
0.3435

9.4782, 0.1653,
0.0853

■ 7.3687, 0.1554,
0.0689

■ 6.4033, 0.1506,
0.0610

■ 6.2901, 0.1500,
0.0600

Harmonies

Analogous

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



44.5670, 0.2301, 0.2500



44.5670, 0.2630, 0.2468



44.5670, 0.3118, 0.2618

Triad

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



44.5670, 0.2630, 0.2468



44.5670, 0.4175, 0.3715



44.5670, 0.2593, 0.3697

Complementary

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



44.5670, 0.2630, 0.2468



83.8073, 0.3555, 0.3998

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.



44.5670, 0.3067, 0.4117



44.5670, 0.2630, 0.2468



44.5670, 0.3993, 0.4068

Square

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



44.5670, 0.2630, 0.2468



44.5670, 0.4051, 0.3303



44.5670, 0.3581, 0.4243



44.5670, 0.2278, 0.3167

Rectangle

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



44.5670, 0.2630, 0.2468



44.5670, 0.3478, 0.2803



44.5670, 0.3581, 0.4243



44.5670, 0.2738, 0.3861

Sweetspot

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



44.5687, 0.2630, 0.2468



84.0022, 0.3003, 0.3085



77.3690, 0.2716, 0.3289



17.3779, 0.2978, 0.3044



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.



44.5687, 0.2630, 0.2468



43.6946, 0.2510, 0.2270



48.9177, 0.2887, 0.2525



15.2288, 0.2979, 0.3046



3.4440, 0.1500, 0.0600



0.2865, 0.1500, 0.0600

Inverse Universe

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



54.3183, 0.3160, 0.2585



56.5958, 0.3167, 0.2444



78.4072, 0.3314, 0.4057



16.0314, 0.3138, 0.3057



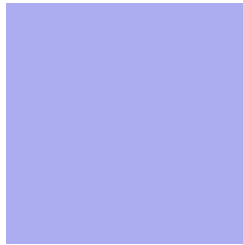
13.5845, 0.3209, 0.1542



1.1301, 0.3209, 0.1542

Previews

White Background



This preview shows how the Yxy color 44.5670, 0.2630, 0.2468 looks on a white background.

Color Contrast Check

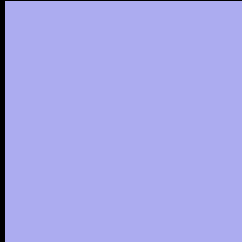
Large Text (above 18pt) WCAG AA × Fail

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 44.5670, 0.2630, 0.2468 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

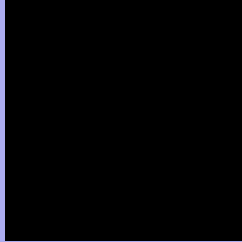
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 44.5670, 0.2630, 0.2468

Background



This preview shows how black text looks on a background with the Yxy color 44.5670, 0.2630, 0.2468.



This preview shows how white text looks on a background with the Yxy color 44.5670, 0.2630, 0.2468.

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

44.5670, 0.2630, 0.2468

Protanopia

44.7908, 0.2522, 0.2466

Deuteranopia

44.4690, 0.2563, 0.2499



Tritanopia

44.7744, 0.2874, 0.3102

Trichromacy



Original Color

44.5670, 0.2630, 0.2468

Protanomaly

44.8573, 0.2559, 0.2471

Deuteranomaly

44.5034, 0.2589, 0.2492

Tritanomaly

44.6509, 0.2782, 0.2862

Monochromacy



Original Color

44.5670, 0.2630, 0.2468

Achromatopsia

45.6411, 0.3127, 0.3290

Achromatomaly

45.0557, 0.2932, 0.2968

CSS Examples

Text

The CSS property to change the color of the text to Yxy 44.5670, 0.2630, 0.2468 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(172, 172, 240)` looks like.

```
.text, #text, p{  
    color:rgb(172, 172, 240)  
}
```

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(172, 172, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 172, 240) }
```

Border

The CSS property to change the border of an element to Yxy 44.5670, 0.2630, 0.2468 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(172, 172, 240) }
```

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

```
.border{ border-color:rgb(172, 172, 240) }
```

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

Here you see how a box with a 4 pixel rgb(172, 172, 240) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 172, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 172, 240);  
box-shadow:4px 4px 4px 4px rgb(172, 172,  
240) }
```


Background

The CSS property to change the background color of an element to Yxy 44.5670, 0.2630, 0.2468 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 172, 240) }
```

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

```
.background{ background-color: rgb(172,  
172, 240) }
```

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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