

Converting Colors

$Yxy(42.4647, 0.2192, 0.2741)$

Have a look what the booklet for
Yxy(42.4647, 0.2192, 0.2741)
contains.

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Color

Yxy(42.6507, 0.2194, 0.2750)

Conversions

Conversions Part 1

Format	Color
Hex	43BCE2
RGB	67, 188, 226
RGB Percent	26%, 74%, 89%
CMY	0.7373, 0.2627, 0.1136
CMYK	0.70, 0.17, 0.00, 0.11
HSL	194°, 73%, 57%
HSV	194°, 70%, 89%
XYZ	34.0275, 42.6507, 78.4153
YIQ	156.1530, -84.3140, -13.8340

Conversions

Conversions Part 2

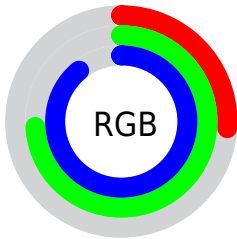
Format	Color
R _Y B	67, 136, 226
Decimal	4439266
CIE Lab	71.32, -21.34, -28.72
CIE LCh	71, 35.781, 233.396
Yxy	42.6507, 0.2194, 0.2750
Android (android.graphics.Color)	4282629346 (0xFF43BCE2)
YUV	156.1530, 34.4346, -78.1872
Hunter-Lab	65.3075, -21.2834, -25.4747

Details

The Yxy color **42.6507, 0.2194, 0.2750** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light muted azure. A complement of this color would be **26.6850, 0.5156, 0.3675**, and the grayscale version is **33.1877, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.9897, 0.2473, 0.3162**, and **20.2682, 0.2056, 0.2603** is the 20% darker color. If you saturate the color by 10%, you get **39.7372, 0.2118, 0.2661**, and if you desaturate by 10%, it is **45.9653, 0.2289, 0.2839**.

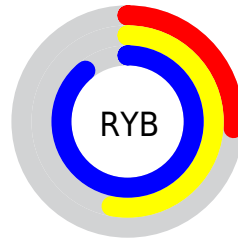
Distribution



Red (26%)

Green (74%)

Blue (89%)



Red (26%)

Yellow (53%)

Blue (89%)

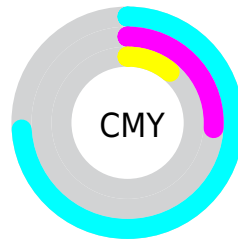


Cyan (70%)

Magenta (17%)

Yellow (0%)

Black (11%)



Cyan (74%)


Magenta (26%)

Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 42.6507, 0.2194, 0.2750 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 42.6507, 0.2194, 0.2750 by changing the saturation by 10% instead.

 42.6507, 0.2194,
0.2750

 42.6507, 0.2194,
0.2750


357.1733, 0.2647,
0.3032


 29.6111, 0.2087,
0.2678


 79.1835, 0.2354,
0.2854

 19.5436, 0.1953,
0.2584


 103.4455, 0.2416,
0.2893

 12.0637, 0.1783,
0.2460


 132.2171, 0.2469,
0.2925

 6.7871, 0.1560,
0.2286

 165.8828, 0.2514,
0.2953

 3.3293, 0.1262,
0.2034

204.8268, 0.2554,
0.2977

 1.3060, 0.0847,
0.1651

249.4337, 0.2588,

 0.1458, 0.0000,

0.2997

0.0506

300.0877, 0.2619,
0.3016

0.0000, 0.0000,
0.0000

42.6507, 0.2194,
0.2750

42.6507, 0.2194,
0.2750

39.7372, 0.2118,
0.2661

45.9653, 0.2289,
0.2839

37.1806, 0.2062,
0.2572

49.7097, 0.2402,
0.2925

34.9923, 0.2024,
0.2487

53.9147, 0.2529,
0.3008

58.6068, 0.2668,
0.3086

63.8098, 0.2815,
0.3159

■ 69.5462, 0.2967,
0.3227

■ 75.8367, 0.3121,
0.3288

■ 82.7009, 0.3275,
0.3343

■ 87.1167, 0.3319,
0.3395

Harmonies

Analogous

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



42.6507, 0.2295, 0.3175



42.6507, 0.2194, 0.2750



42.6507, 0.2313, 0.2515

Triad

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



42.6507, 0.2194, 0.2750



42.6507, 0.3636, 0.2918



42.6507, 0.3577, 0.4224

Complementary

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



42.6507, 0.2194, 0.2750



26.6850, 0.5156, 0.3675

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.



42.6507, 0.3980, 0.4053



42.6507, 0.2194, 0.2750



42.6507, 0.4031, 0.3300

Square

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



42.6507, 0.2194, 0.2750



42.6507, 0.3114, 0.2628



42.6507, 0.4156, 0.3706



42.6507, 0.3073, 0.4103

Rectangle

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



42.6507, 0.2194, 0.2750



42.6507, 0.2507, 0.2471



42.6507, 0.4156, 0.3706



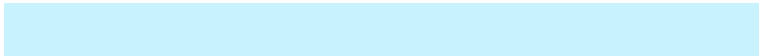
42.6507, 0.3730, 0.4195

Sweetspot

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



42.6522, 0.2194, 0.2750



83.3203, 0.2804, 0.3154



56.6059, 0.2885, 0.5100



17.4155, 0.2762, 0.3134



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.



42.6522, 0.2194, 0.2750



50.7684, 0.2092, 0.2623



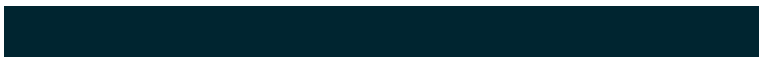
17.7067, 0.1899, 0.1560



14.9878, 0.2982, 0.3233



20.1486, 0.2028, 0.2501



1.5319, 0.2066, 0.2637

Inverse Universe

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



23.8170, 0.3654, 0.2049



27.1811, 0.3791, 0.1948



50.7028, 0.4390, 0.4501



13.8767, 0.3174, 0.3113



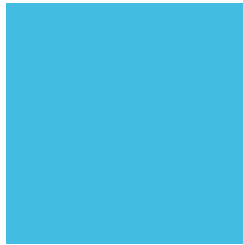
10.9421, 0.3921, 0.1934



0.7721, 0.3789, 0.1861

Previews

White Background



This preview shows how the Yxy color 42.6507, 0.2194, 0.2750 looks on a white background.

Color Contrast Check

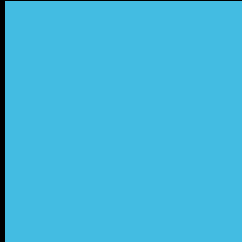
Large Text (above 18pt) WCAG AA × Fail

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 42.6507, 0.2194, 0.2750 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 42.6507, 0.2194, 0.2750

Background



This preview shows how black text looks on a background with the Yxy color 42.6507, 0.2194, 0.2750.

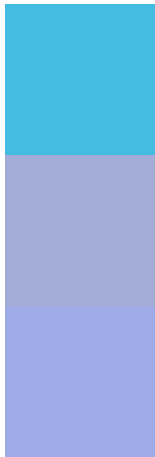


This preview shows how white text looks on a background with the Yxy color 42.6507, 0.2194, 0.2750.

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

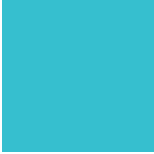
42.6507, 0.2194, 0.2750

Protanopia

42.1466, 0.2733, 0.2742

Deuteranopia

42.2099, 0.2598, 0.2541



Tritanopia

42.5509, 0.2251, 0.3049

Trichromacy



Original Color

42.6507, 0.2194, 0.2750

Protanomaly

41.4919, 0.2476, 0.2742

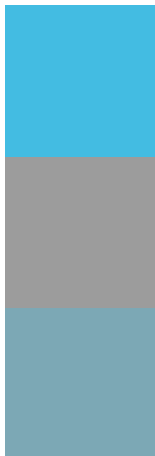
Deuteranomaly

41.5370, 0.2402, 0.2594

Tritanomaly

42.6118, 0.2230, 0.2937

Monochromacy



Original Color

42.6507, 0.2194, 0.2750

Achromatopsia

33.2452, 0.3127, 0.3290

Achromatomaly

35.6265, 0.2660, 0.3091

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.6507, 0.2194, 0.2750 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(67, 188, 226)` looks like.

```
.text, #text, p{  
    color:rgb(67, 188, 226)  
}
```

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(67, 188, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(67, 188, 226) }
```

Border

The CSS property to change the border of an element to Yxy 42.6507, 0.2194, 0.2750 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(67, 188, 226) }
```

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

```
.border{ border-color:rgb(67, 188, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(67, 188, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(67, 188, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(67, 188, 226);  
box-shadow:4px 4px 4px 4px rgb(67, 188,  
226) }
```


Background

The CSS property to change the background color of an element to Yxy 42.6507, 0.2194, 0.2750 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(67, 188, 226) }
```

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

```
.background{ background-color: rgb(67, 188,  
226) }
```

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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