

Converting Colors

$Yxy(42.4313, 0.3270, 0.4421)$

Have a look what the booklet for
Yxy(42.4313, 0.3270, 0.4421)
contains.

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Color

Yxy(42.5620, 0.3269, 0.4425)

Conversions

Conversions Part 1

Format	Color
Hex	8ABC71
RGB	138, 188, 113
RGB Percent	54%, 74%, 44%
CMY	0.4589, 0.2627, 0.5569
CMYK	0.27, 0.00, 0.40, 0.26
HSL	100°, 36%, 59%
HSV	100°, 40%, 74%
XYZ	31.4430, 42.5620, 22.1803
YIQ	164.5000, -5.7250, -33.9250

Conversions

Conversions Part 2

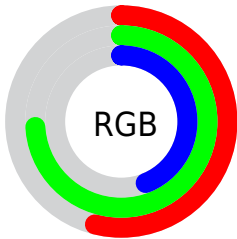
Format	Color
RYB	113, 188, 163
Decimal	9092209
CIELab	71.26, -30.30, 32.76
CIELCh	71, 44.627, 132.764
Yxy	42.5620, 0.3269, 0.4425
Android (android.graphics.Color)	4287282289 (0xFF8ABC71)
YUV	164.5000, -25.3895, -23.2405
Hunter-Lab	65.2396, -28.1390, 25.5101

Details

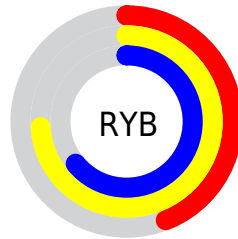
The Yxy color **42.5620, 0.3269, 0.4425** is a dark color, and the websafe version is hex **99CC66**. A complement of this color would be **23.2306, 0.2899, 0.2238**, and the grayscale version is **37.5001, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.7920, 0.3255, 0.4189**, and **19.3988, 0.3274, 0.4780** is the 20% darker color. If you saturate the color by 10%, you get **41.1750, 0.3288, 0.4744**, and if you desaturate by 10%, it is **44.1639, 0.3240, 0.4111**.

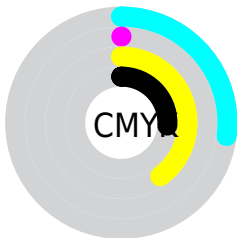
Distribution



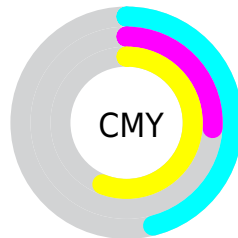
- Red (54%)
- Green (74%)
- Blue (44%)



- Red (44%)
- Yellow (74%)
- Blue (64%)



- Cyan (27%)
- Magenta (0%)
- Yellow (40%)
- Black (26%)




- Cyan (46%)
- Magenta (26%)
- Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 42.5620, 0.3269, 0.4425 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 42.5620, 0.3269, 0.4425 by changing the saturation by 10% instead.


 42.5620, 0.3269,
0.4425


 42.5620, 0.3269,
0.4425


356.8074, 0.3217,
0.3822

 29.5416, 0.3274,
0.4586


 79.0495, 0.3256,
0.4198

 19.4909, 0.3274,
0.4797


 103.2854, 0.3249,
0.4115

 12.0255, 0.3263,
0.5086


 132.0285, 0.3243,
0.4046

 6.7611, 0.3223,
0.5498

 165.6634, 0.3237,
0.3987

 3.3131, 0.3193,
0.6291

204.5743, 0.3231,
0.3937

 1.2973, 0.2553,
0.7447

249.1456, 0.3226,

 0.1391, 0.0000,

0.3893

1.0000

299.7619, 0.3221,
0.3855

■ 0.0000, 0.0000,
0.0000

■ 42.5620, 0.3269,
0.4425

■ 42.5620, 0.3269,
0.4425

■ 41.1750, 0.3288,
0.4744

■ 44.1639, 0.3240,
0.4111

■ 39.9877, 0.3294,
0.5054

■ 45.9841, 0.3206,
0.3813

■ 38.9915, 0.3285,
0.5335


■ 48.0329, 0.3167,
0.3538


■ 38.1747, 0.3260,
0.5571


■ 50.3182, 0.3127,
0.3288

■ 37.5243, 0.3220,
0.5746


■ 52.8476, 0.3086,
0.3063

 37.0187, 0.3171,
0.5863

 55.6283, 0.3047,
0.2864

 37.0140, 0.3171,
0.5865

 58.6672, 0.3009,
0.2688

 61.4175, 0.3031,
0.2608

 63.6676, 0.3126,
0.2627

Harmonies

Analogous

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



42.5620, 0.3869, 0.4408



42.5620, 0.3269, 0.4425



42.5620, 0.2662, 0.4018

Triad

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



42.5620, 0.3269, 0.4425



42.5620, 0.2055, 0.2407



42.5620, 0.4114, 0.3117

Complementary

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



42.5620, 0.3269, 0.4425



23.2306, 0.2899, 0.2238

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.



42.5620, 0.3532, 0.2693



42.5620, 0.3269, 0.4425



42.5620, 0.2356, 0.2293

Square

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



42.5620, 0.3269, 0.4425



42.5620, 0.2002, 0.2769



42.5620, 0.2879, 0.2401



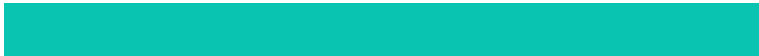
42.5620, 0.4399, 0.3603

Rectangle

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



42.5620, 0.3269, 0.4425



42.5620, 0.2336, 0.3588



42.5620, 0.2879, 0.2401



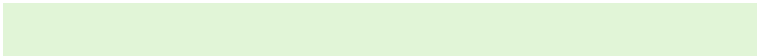
42.5620, 0.3943, 0.2965

Sweetspot

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



42.5638, 0.3269, 0.4425



86.1531, 0.3176, 0.3599



38.0808, 0.3838, 0.3970



18.4205, 0.3181, 0.3634



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290

Same Dimension

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



42.5638, 0.3269, 0.4425



74.8779, 0.3286, 0.4709



40.9739, 0.2988, 0.4291



10.7998, 0.3165, 0.3524



25.2355, 0.3179, 0.5858



1.0250, 0.3377, 0.5701

Inverse Universe

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



23.2306, 0.2899, 0.2238



34.9091, 0.2830, 0.1998



25.6178, 0.3311, 0.2463



9.5328, 0.3086, 0.3060



5.5020, 0.2393, 0.1092



0.2499, 0.2594, 0.1203

Previews

White Background



This preview shows how the Yxy color 42.5620, 0.3269, 0.4425 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 42.5620, 0.3269, 0.4425 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

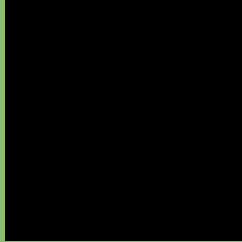
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 42.5620, 0.3269, 0.4425

Background



This preview shows how black text looks on a background with the Yxy color 42.5620, 0.3269, 0.4425.



This preview shows how white text looks on a background with the Yxy color 42.5620, 0.3269, 0.4425.

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

42.5620, 0.3269, 0.4425

Protanopia

42.3020, 0.3844, 0.4161

Deuteranopia

41.9903, 0.3978, 0.3892



Tritanopia

42.6698, 0.2794, 0.3096

Trichromacy



Original Color

42.5620, 0.3269, 0.4425

Protanomaly

42.0239, 0.3619, 0.4256

Deuteranomaly

41.6003, 0.3708, 0.4079

Tritanomaly

42.2472, 0.2966, 0.3552

Monochromacy



Original Color

42.5620, 0.3269, 0.4425

Achromatopsia

37.1238, 0.3127, 0.3290

Achromatomaly

38.9000, 0.3197, 0.3705

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.5620, 0.3269, 0.4425 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(138, 188, 113)` looks like.

```
.text, #text, p{  
    color:rgb(138, 188, 113)  
}
```

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(138, 188, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 188, 113) }
```

Border

The CSS property to change the border of an element to Yxy 42.5620, 0.3269, 0.4425 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(138, 188, 113) }
```

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

```
.border{ border-color:rgb(138, 188, 113) }
```

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

Here you see how a box with a 4 pixel `rgb(138, 188, 113)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 188, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 188, 113);  
box-shadow:4px 4px 4px 4px rgb(138, 188,  
113) }
```


Background

The CSS property to change the background color of an element to Yxy 42.5620, 0.3269, 0.4425 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 188, 113) }
```

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

```
.background{ background-color: rgb(138,  
188, 113) }
```

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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