

Converting Colors

$Yxy(42.2166, 0.3263, 0.3446)$

Have a look what the booklet for
Yxy(42.2166, 0.3263, 0.3446)
contains.

Yxy(42.3457, 0.3264, 0.3454)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(42.3457, 0.3264, 0.3454)

Conversions

Conversions Part 1

Format	Color
Hex	B2AEA2
RGB	178, 174, 162
RGB Percent	70%, 68%, 64%
CMY	0.3020, 0.3176, 0.3648
CMYK	0.00, 0.02, 0.09, 0.30
HSL	45°, 9%, 67%
HSV	45°, 9%, 70%
XYZ	40.0163, 42.3457, 40.2370
YIQ	173.8280, 6.2360, -2.8840

Conversions

Conversions Part 2

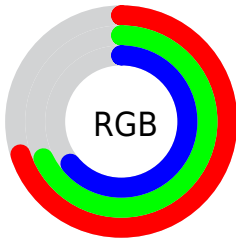
Format	Color
RYB	167, 178, 162
Decimal	11710114
CIELab	71.11, -0.72, 6.67
CIELCh	71, 6.704, 96.189
Yxy	42.3457, 0.3264, 0.3454
Android (android.graphics.Color)	4289900194 (0xFFB2AEA2)
YUV	173.8280, -5.8312, 3.6588
Hunter-Lab	65.0736, -4.1120, 8.8907

Details

The Yxy color $42.3457, 0.3264, 0.3454$ is a light color, and the websafe version is hex 999999 . A complement of this color would be $38.1572, 0.2990, 0.3120$, and the grayscale version is $42.2630, 0.3127, 0.3290$.

A 20% lighter version of the original color is $78.5408, 0.3240, 0.3416$, and $19.4048, 0.3304, 0.3517$ is the 20% darker color. If you saturate the color by 10%, you get $40.0717, 0.3428, 0.3644$, and if you desaturate by 10%, it is $44.7697, 0.3113, 0.3272$.

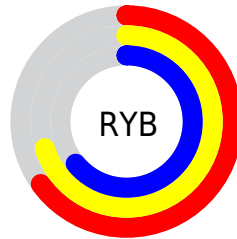
Distribution



Red (70%)

Green (68%)

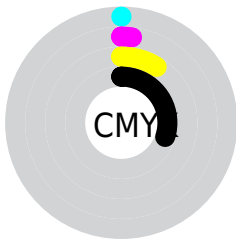
Blue (64%)



Red (65%)

Yellow (70%)

Blue (64%)

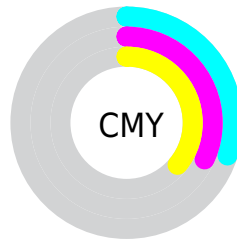


Cyan (0%)

Magenta (2%)

Yellow (9%)

Black (30%)



Cyan (30%)

Magenta (32%)

Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 42.3457, 0.3264, 0.3454 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 42.3457, 0.3264, 0.3454 by changing the saturation by 10% instead.

 42.3457, 0.3264,
0.3454


 42.3457, 0.3264,
0.3454


355.9140, 0.3195,
0.3371

 29.3721, 0.3282,
0.3475

 78.7226, 0.3238,
0.3423

 19.3625, 0.3305,
0.3503

 102.8946, 0.3229,
0.3412

 11.9325, 0.3336,
0.3540


131.5682, 0.3221,
0.3402

 6.6977, 0.3380,
0.3594

165.1278, 0.3214,
0.3394

 3.2738, 0.3447,
0.3676

203.9578, 0.3208,
0.3387

 1.2763, 0.3565,
0.3821

248.4426, 0.3203,

 0.1227, 0.4465,

0.3381

0.5535

298.9665, 0.3199,
0.3375

0.0000, 0.0000,
0.0000

42.3457, 0.3264,
0.3454

42.3457, 0.3264,
0.3454

40.0717, 0.3428,
0.3644

44.7697, 0.3113,
0.3272

37.9379, 0.3603,
0.3837

47.3421, 0.2975,
0.3101

35.9416, 0.3786,
0.4028

50.0688, 0.2850,
0.2941

34.0778, 0.3973,
0.4208

52.9533, 0.2738,
0.2794

32.3413, 0.4156,
0.4369

55.9993, 0.2637,
0.2658

■ 30.7263, 0.4327,
0.4500

■ 58.2905, 0.2620,
0.2670

■ 29.2262, 0.4479,
0.4591

■ 60.3852, 0.2626,
0.2722

■ 27.8336, 0.4604,
0.4636

■ 62.5402, 0.2632,
0.2774

■ 26.5348, 0.4704,
0.4640

■ 64.7560, 0.2638,
0.2826

Harmonies

Analogous

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



42.3457, 0.3312, 0.3411



42.3457, 0.3264, 0.3454



42.3457, 0.3179, 0.3453

Triad

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



42.3457, 0.3264, 0.3454



42.3457, 0.2948, 0.3239



42.3457, 0.3171, 0.3178

Complementary

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



42.3457, 0.3264, 0.3454



38.1572, 0.2990, 0.3120

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.



42.3457, 0.3073, 0.3133



42.3457, 0.3264, 0.3454



42.3457, 0.2945, 0.3167

Square

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



42.3457, 0.3264, 0.3454



42.3457, 0.2997, 0.3327



42.3457, 0.2991, 0.3129



42.3457, 0.3258, 0.3252

Rectangle

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



42.3457, 0.3264, 0.3454



42.3457, 0.3114, 0.3426



42.3457, 0.2991, 0.3129



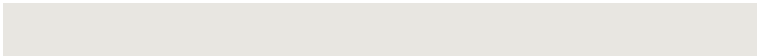
42.3457, 0.3138, 0.3159

Sweetspot

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



42.3476, 0.3264, 0.3454



79.3738, 0.3172, 0.3345



38.0514, 0.3244, 0.3235



17.5069, 0.3184, 0.3359



91.1408, 0.3127, 0.3290



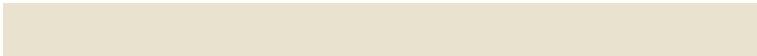
17.8868, 0.3127, 0.3290

Same Dimension

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



42.3476, 0.3264, 0.3454



75.8673, 0.3299, 0.3495



43.4475, 0.3223, 0.3510



9.5406, 0.3269, 0.3460



18.9987, 0.4706, 0.4645



0.6836, 0.4536, 0.4781

Inverse Universe

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



38.1572, 0.2990, 0.3120



66.5592, 0.2955, 0.3076



37.1535, 0.3026, 0.3066



8.5631, 0.2985, 0.3114



3.6960, 0.1586, 0.0909



0.2104, 0.1740, 0.1465

Previews

White Background



This preview shows how the Yxy color 42.3457, 0.3264, 0.3454 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 42.3457, 0.3264, 0.3454 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

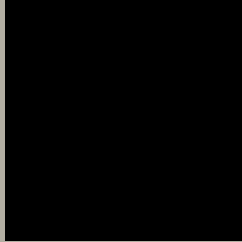
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

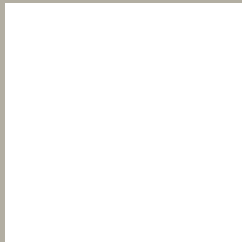
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 42.3457, 0.3264, 0.3454

Background



This preview shows how black text looks on a background with the Yxy color 42.3457, 0.3264, 0.3454.

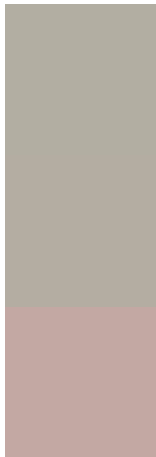


This preview shows how white text looks on a background with the Yxy color 42.3457, 0.3264, 0.3454.

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

42.3457, 0.3264, 0.3454

Protanopia

42.1991, 0.3284, 0.3439

Deuteranopia

42.2517, 0.3425, 0.3356



Tritanopia

42.4103, 0.3108, 0.3119

Trichromacy



Original Color

42.3457, 0.3264, 0.3454

Protanomaly

42.0795, 0.3274, 0.3440

Deuteranomaly

42.2126, 0.3364, 0.3383

Tritanomaly

42.3429, 0.3166, 0.3237

Monochromacy



Original Color

42.3457, 0.3264, 0.3454

Achromatopsia

42.3268, 0.3127, 0.3290

Achromatomaly

42.2883, 0.3169, 0.3345

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.3457, 0.3264, 0.3454 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(178, 174, 162)` looks like.

```
.text, #text, p{  
    color:rgb(178, 174, 162)  
}
```

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(178, 174, 162) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 174, 162) }
```

Border

The CSS property to change the border of an element to Yxy 42.3457, 0.3264, 0.3454 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(178, 174, 162) }
```

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

```
.border{ border-color:rgb(178, 174, 162) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 174, 162)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 174, 162); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 174, 162);  
box-shadow:4px 4px 4px 4px rgb(178, 174,  
162) }
```


Background

The CSS property to change the background color of an element to Yxy 42.3457, 0.3264, 0.3454 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 174, 162) }
```

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

```
.background{ background-color: rgb(178,  
174, 162) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor