

Converting Colors

$Yxy(49.6626, 0.3219, 0.3452)$

Have a look what the booklet for
Yxy(49.6626, 0.3219, 0.3452)
contains.

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Color

Yxy(49.6264, 0.3220, 0.3457)

Conversions

Conversions Part 1

Format	Color
Hex	BBBCAF
RGB	187, 188, 175
RGB Percent	73%, 74%, 69%
CMY	0.2665, 0.2628, 0.3137
CMYK	0.00, 0.00, 0.07, 0.26
HSL	64°, 9%, 71%
HSV	64°, 7%, 74%
XYZ	46.2242, 49.6264, 47.7028
YIQ	186.2190, 3.5770, -4.2550

Conversions

Conversions Part 2

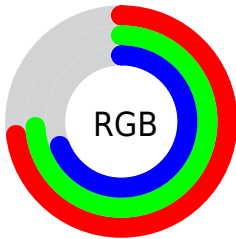
Format	Color
RYB	175, 188, 176
Decimal	12303535
CIELab	75.84, -2.66, 6.44
CIELCh	76, 6.971, 112.426
Yxy	49.6264, 0.3220, 0.3457
Android (android.graphics.Color)	4290493615 (0xFFBBBCAF)
YUV	186.2190, -5.5310, 0.6849
Hunter-Lab	70.4460, -6.1551, 9.1638

Details

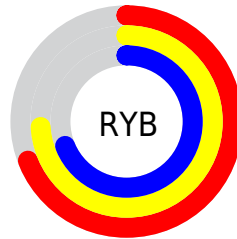
The Yxy color $49.6264, 0.3220, 0.3457$ is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be $43.5166, 0.3031, 0.3118$, and the grayscale version is $49.2671, 0.3127, 0.3290$.

A 20% lighter version of the original color is $89.5256, 0.3199, 0.3421$, and $23.8263, 0.3242, 0.3500$ is the 20% darker color. If you saturate the color by 10%, you get $48.7699, 0.3357, 0.3707$, and if you desaturate by 10%, it is $50.5916, 0.3086, 0.3217$.

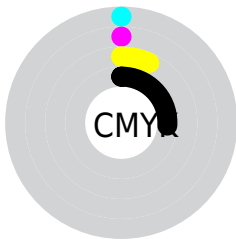
Distribution



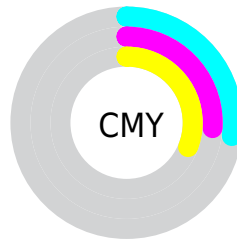
- Red (73%)
- Green (74%)
- Blue (69%)



- Red (69%)
- Yellow (74%)
- Blue (69%)



- Cyan (0%)
- Magenta (0%)
- Yellow (7%)
- Black (26%)



- Cyan (27%)
- Magenta (26%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 49.6264, 0.3220, 0.3457 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 49.6264, 0.3220, 0.3457 by changing the saturation by 10% instead.

■ 49.6264, 0.3220,
0.3457

■ 49.6264, 0.3220,
0.3457

385.2031, 0.3174,
0.3374

■ 35.1166, 0.3231,
0.3478

■ 89.6211, 0.3204,
0.3427

■ 23.7527, 0.3245,
0.3504

115.8748, 0.3197,
0.3416

■ 15.1503, 0.3264,
0.3539

146.8120, 0.3192,
0.3406

■ 8.9249, 0.3290,
0.3588

182.8169, 0.3187,
0.3398

■ 4.6923, 0.3328,
0.3661

224.2742, 0.3184,
0.3391

■ 2.0679, 0.3389,
0.3781

271.5680, 0.3180,

■ 0.6465, 0.3791,

0.3384

0.4460

325.0829, 0.3177,
0.3379

0.0000, 0.0000,
0.0000

49.6264, 0.3220,
0.3457

49.6264, 0.3220,
0.3457

48.7699, 0.3357,
0.3707

50.5916, 0.3086,
0.3217

48.0116, 0.3495,
0.3960

51.6632, 0.2959,
0.2991

47.3489, 0.3628,
0.4210

52.8469, 0.2840,
0.2780

46.7770, 0.3752,
0.4446

54.1465, 0.2729,
0.2587

46.2907, 0.3860,
0.4660

54.6303, 0.2709,
0.2542

■ 45.8841, 0.3949,
0.4841

■ 54.8107, 0.2719,
0.2543

■ 45.5505, 0.4012,
0.4983

■ 54.9926, 0.2728,
0.2545

■ 45.2822, 0.4051,
0.5081

■ 55.1763, 0.2738,
0.2547

■ 45.0687, 0.4065,
0.5138

■ 55.3616, 0.2747,
0.2549

Harmonies

Analogous

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



49.6264, 0.3290, 0.3437



49.6264, 0.3220, 0.3457



49.6264, 0.3126, 0.3431

Triad

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



49.6264, 0.3220, 0.3457



49.6264, 0.2943, 0.3198



49.6264, 0.3220, 0.3216

Complementary

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



49.6264, 0.3220, 0.3457



43.5166, 0.3031, 0.3118

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.



49.6264, 0.3126, 0.3155



49.6264, 0.3220, 0.3457



49.6264, 0.2967, 0.3143

Square

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



49.6264, 0.3220, 0.3457



49.6264, 0.2967, 0.3279



49.6264, 0.3033, 0.3128



49.6264, 0.3290, 0.3298

Rectangle

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



49.6264, 0.3220, 0.3457



49.6264, 0.3063, 0.3391



49.6264, 0.3033, 0.3128



49.6264, 0.3190, 0.3193

Sweetspot

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



49.6286, 0.3220, 0.3457



90.7825, 0.3154, 0.3339



44.7860, 0.3242, 0.3302



19.5263, 0.3153, 0.3336



95.5105, 0.3127, 0.3290



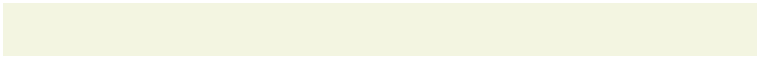
19.5994, 0.3127, 0.3290

Same Dimension

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



49.6286, 0.3220, 0.3457



89.7552, 0.3237, 0.3487



48.8367, 0.3166, 0.3460



11.0845, 0.3253, 0.3517



30.6612, 0.4069, 0.5151



1.2116, 0.4101, 0.5126

Inverse Universe

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



43.5166, 0.3031, 0.3118



76.8186, 0.3013, 0.3086



44.2824, 0.3086, 0.3121



9.2574, 0.2995, 0.3054



2.5461, 0.1527, 0.0615



0.1111, 0.1628, 0.0671

Previews

White Background



This preview shows how the Yxy color 49.6264, 0.3220, 0.3457 looks on a white background.

Color Contrast Check

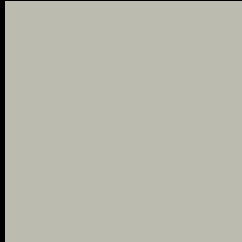
Large Text (above 18pt) WCAG AA × Fail

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 49.6264, 0.3220, 0.3457 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

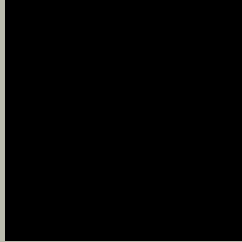
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

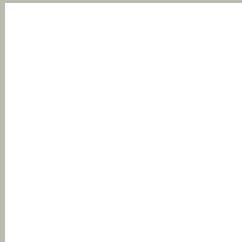
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 49.6264, 0.3220, 0.3457

Background



This preview shows how black text looks on a background with the Yxy color 49.6264, 0.3220, 0.3457.



This preview shows how white text looks on a background with the Yxy color 49.6264, 0.3220, 0.3457.

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

49.6264, 0.3220, 0.3457

Protanopia

49.5113, 0.3281, 0.3443

Deuteranopia

49.3722, 0.3407, 0.3327



Tritanopia

49.4809, 0.3070, 0.3104

Trichromacy



Original Color

49.6264, 0.3220, 0.3457

Protanomaly

49.6730, 0.3263, 0.3456

Deuteranomaly

49.4191, 0.3339, 0.3378

Tritanomaly

49.3628, 0.3130, 0.3227

Monochromacy



Original Color

49.6264, 0.3220, 0.3457

Achromatopsia

49.1021, 0.3127, 0.3290

Achromatomaly

49.3572, 0.3157, 0.3354

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.6264, 0.3220, 0.3457 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(187, 188, 175)` looks like.

```
.text, #text, p{  
    color:rgb(187, 188, 175)  
}
```

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(187, 188, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 188, 175) }
```

Border

The CSS property to change the border of an element to Yxy 49.6264, 0.3220, 0.3457 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(187, 188, 175) }
```

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

```
.border{ border-color:rgb(187, 188, 175) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 188, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 188, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 188, 175);  
box-shadow:4px 4px 4px 4px rgb(187, 188,  
175) }
```


Background

The CSS property to change the background color of an element to Yxy 49.6264, 0.3220, 0.3457 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 188, 175) }
```

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

```
.background{ background-color: rgb(187,  
188, 175) }
```

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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