

Converting Colors

$Y_{xy}(45.6338, 0.3351, 0.3460)$

Have a look what the booklet for
Yxy(45.6338, 0.3351, 0.3460)
contains.

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Color

Yxy(45.6338, 0.3351, 0.3460)

Conversions

Conversions Part 1

Format	Color
Hex	BFB2A5
RGB	191, 178, 165
RGB Percent	75%, 70%, 65%
CMY	0.2510, 0.3019, 0.3531
CMYK	0.00, 0.07, 0.14, 0.25
HSL	30°, 17%, 70%
HSV	30°, 14%, 75%
XYZ	44.1962, 45.6338, 42.0596
YIQ	180.4050, 11.9210, -1.2870

Conversions

Conversions Part 2

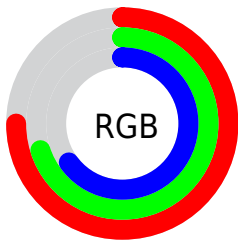
Format	Color
RYB	191, 191, 165
Decimal	12563109
CIELab	73.31, 2.42, 8.32
CIElCh	73, 8.665, 73.794
Yxy	45.6338, 0.3351, 0.3460
Android (android.graphics.Color)	4290753189 (0xFFBFB2A5)
YUV	180.4050, -7.5947, 9.2918
Hunter-Lab	67.5528, -1.4343, 10.3719

Details

The Yxy color $45.6338, 0.3351, 0.3460$ is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be $43.5849, 0.2917, 0.3114$, and the grayscale version is $45.9079, 0.3127, 0.3290$.

A 20% lighter version of the original color is $83.7871, 0.3306, 0.3432$, and $21.1779, 0.3414, 0.3504$ is the 20% darker color. If you saturate the color by 10%, you get $41.3277, 0.3542, 0.3592$, and if you desaturate by 10%, it is $50.3116, 0.3183, 0.3334$.

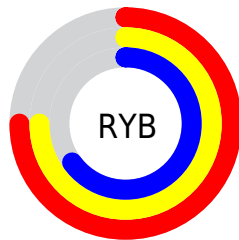
Distribution



Red (75%)

Green (70%)

Blue (65%)



Red (75%)

Yellow (75%)

Blue (65%)

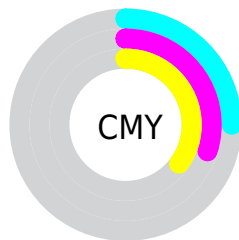


Cyan (0%)

Magenta (7%)

Yellow (14%)

Black (25%)



Cyan (25%)


Magenta (30%)


Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.6338, 0.3351, 0.3460 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 45.6338, 0.3351, 0.3460 by changing the saturation by 10% instead.


 45.6338, 0.3351,
0.3460


 45.6338, 0.3351,
0.3460


369.3344, 0.3238,
0.3375

 31.9569, 0.3379,
0.3481


 83.6707, 0.3310,
0.3429

 21.3286, 0.3416,
0.3508


 108.7995, 0.3295,
0.3418

 13.3644, 0.3465,
0.3544


138.5144, 0.3282,
0.3408

 7.6800, 0.3534,
0.3594

173.1998, 0.3270,
0.3400

 3.8909, 0.3637,
0.3667

213.2402, 0.3261,
0.3392

 1.6127, 0.3810,
0.3787

259.0198, 0.3252,

 0.3661, 0.5265,

0.3386

0.4735

310.9231, 0.3245,
0.3380

0.0000, 0.0000,
0.0000

45.6338, 0.3351,
0.3460

45.6338, 0.3351,
0.3460

41.3277, 0.3542,
0.3592

50.3116, 0.3183,
0.3334

37.3773, 0.3758,
0.3727

55.3646, 0.3036,
0.3216

33.7743, 0.3997,
0.3859

60.8037, 0.2908,
0.3106

30.5076, 0.4256,
0.3979

66.6378, 0.2797,
0.3005

27.5654, 0.4528,
0.4079

72.5180, 0.2729,
0.2969

■ 24.9351, 0.4800,
0.4144

■ 77.8395, 0.2738,
0.3075

■ 22.6027, 0.5057,
0.4164

■ 83.4537, 0.2747,
0.3179

■ 20.5523, 0.5280,
0.4130

■ 89.3652, 0.2757,
0.3281

■ 19.3792, 0.5408,
0.4088

■ 89.8171, 0.2757,
0.3289

Harmonies

Analogous

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



45.6338, 0.3366, 0.3374



45.6338, 0.3351, 0.3460



45.6338, 0.3276, 0.3502

Triad

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



45.6338, 0.3351, 0.3460



45.6338, 0.2943, 0.3308



45.6338, 0.3089, 0.3103

Complementary

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



45.6338, 0.3351, 0.3460



43.5849, 0.2917, 0.3114

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.



45.6338, 0.2978, 0.3083



45.6338, 0.3351, 0.3460



45.6338, 0.2895, 0.3199

Square

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



45.6338, 0.3351, 0.3460



45.6338, 0.3040, 0.3415



45.6338, 0.2908, 0.3117



45.6338, 0.3213, 0.3170

Rectangle

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



45.6338, 0.3351, 0.3460



45.6338, 0.3202, 0.3499



45.6338, 0.2908, 0.3117



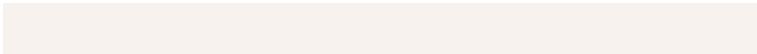
45.6338, 0.3049, 0.3091

Sweetspot

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



45.6358, 0.3351, 0.3460



89.7280, 0.3190, 0.3339



41.1892, 0.3256, 0.3121



19.5586, 0.3202, 0.3349



97.7402, 0.3127, 0.3290



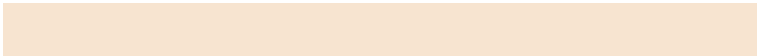
20.4902, 0.3127, 0.3290

Same Dimension

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



45.6358, 0.3351, 0.3460



79.6437, 0.3399, 0.3494



51.0566, 0.3328, 0.3623



10.3045, 0.3276, 0.3405



12.8961, 0.5388, 0.4104



0.6360, 0.5028, 0.4390

Inverse Universe

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



43.5849, 0.2917, 0.3114



75.3435, 0.2875, 0.3077



38.6559, 0.2912, 0.2934



9.9910, 0.2984, 0.3172



8.0536, 0.1776, 0.1595



0.4463, 0.1898, 0.2032

Previews

White Background



This preview shows how the Yxy color 45.6338, 0.3351, 0.3460 looks on a white background.

Color Contrast Check

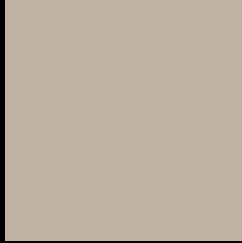
Large Text (above 18pt) WCAG AA × Fail

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 45.6338, 0.3351, 0.3460 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

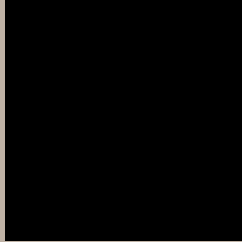
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

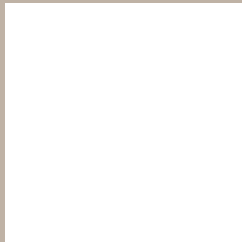
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 45.6338, 0.3351, 0.3460

Background



This preview shows how black text looks on a background with the Yxy color 45.6338, 0.3351, 0.3460.



This preview shows how white text looks on a background with the Yxy color 45.6338, 0.3351, 0.3460.

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

45.6338, 0.3351, 0.3460

Protanopia

45.5582, 0.3304, 0.3461

Deuteranopia

45.7218, 0.3460, 0.3392



Tritanopia

45.7601, 0.3188, 0.3126

Trichromacy



Original Color

45.6338, 0.3351, 0.3460

Protanomaly

45.6847, 0.3313, 0.3461

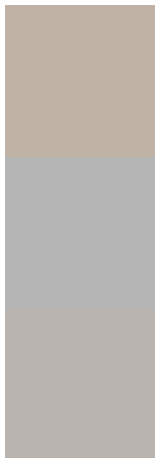
Deuteranomaly

45.5552, 0.3421, 0.3405

Tritanomaly

45.6834, 0.3245, 0.3239

Monochromacy



Original Color

45.6338, 0.3351, 0.3460

Achromatopsia

45.6411, 0.3127, 0.3290

Achromatomaly

45.5257, 0.3203, 0.3343

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.6338, 0.3351, 0.3460 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(191, 178, 165)` looks like.

```
.text, #text, p{  
    color:rgb(191, 178, 165)  
}
```

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(191, 178, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 178, 165) }
```

Border

The CSS property to change the border of an element to Yxy 45.6338, 0.3351, 0.3460 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(191, 178, 165) }
```

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

```
.border{ border-color:rgb(191, 178, 165) }
```

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

Here you see how a box with a 4 pixel `rgb(191, 178, 165)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 178, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 178, 165);  
box-shadow:4px 4px 4px 4px rgb(191, 178,  
165) }
```


Background

The CSS property to change the background color of an element to Yxy 45.6338, 0.3351, 0.3460 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 178, 165) }
```

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

```
.background{ background-color: rgb(191,  
178, 165) }
```

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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