

Converting Colors

$Y_{xy}(20.8558, 0.3343, 0.4072)$

Have a look what the booklet for
 $Y_{xy}(20.8558, 0.3343, 0.4072)$
contains.

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Color

$\text{Yxy}(20.8526, 0.3343, 0.4071)$

Conversions

Conversions Part 1

Format	Color
Hex	72845C
RGB	114, 132, 92
RGB Percent	45%, 52%, 36%
CMY	0.5529, 0.4824, 0.6392
CMYK	0.14, 0.00, 0.30, 0.48
HSL	87°, 18%, 44%
HSV	87°, 30%, 52%
XYZ	17.1236, 20.8526, 13.2461
YIQ	122.0580, 2.1120, -16.2560

Conversions

Conversions Part 2

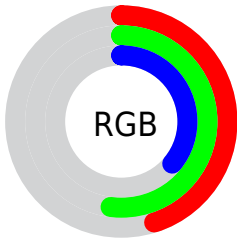
Format	Color
R_{YB}	92, 132, 110
Decimal	7504988
CIE _{Lab}	52.79, -14.10, 19.50
CIE _{LCh}	53, 24.067, 125.880
Yxy	20.8526, 0.3343, 0.4071
Android (android.graphics.Color)	4285695068 (0xFF72845C)
YUV	122.0580, -14.8186, -7.0669
Hunter-Lab	45.6646, -12.9781, 14.7668

Details

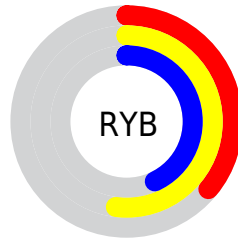
The Yxy color $20.8526, 0.3343, 0.4071$ is a dark color, and the websafe version is hex 999966 . A complement of this color would be $12.6329, 0.2852, 0.2499$, and the grayscale version is $19.5318, 0.3127, 0.3290$.

A 20% lighter version of the original color is $44.7881, 0.3294, 0.3880$, and $7.5076, 0.3391, 0.4415$ is the 20% darker color. If you saturate the color by 10%, you get $20.2572, 0.3406, 0.4353$, and if you desaturate by 10%, it is $21.5159, 0.3274, 0.3797$.

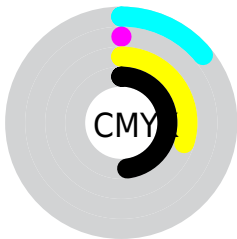
Distribution



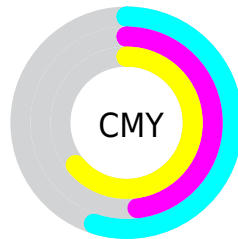
- Red (45%)
- Green (52%)
- Blue (36%)



- Red (36%)
- Yellow (52%)
- Blue (43%)



- Cyan (14%)
- Magenta (0%)
- Yellow (30%)
- Black (48%)





- Cyan (55%)
- Magenta (48%)
- Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.8526, 0.3343, 0.4071 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 20.8526, 0.3343, 0.4071 by changing the saturation by 10% instead.


 20.8526, 0.3343,
0.4071


 20.8526, 0.3343,
0.4071


256.4941, 0.3229,
0.3616


 13.0163, 0.3372,
0.4212


 44.8421, 0.3301,
0.3887

 7.4398, 0.3407,
0.4414


 61.7641, 0.3285,
0.3824

 3.7386, 0.3447,
0.4724

 82.4834, 0.3272,
0.3773

 1.5285, 0.3721,
0.5623

 107.3845, 0.3261,
0.3731

 0.3086, 0.0000,
1.0000

136.8517, 0.3251,
0.3695

 0.0000, 0.0000,
0.0000

171.2694, 0.3243,

0.3665

211.0221, 0.3235,
0.3639

■ 20.8526, 0.3343,
0.4071

■ 20.8526, 0.3343,
0.4071

■ 20.2572, 0.3406,
0.4353

■ 21.5159, 0.3274,
0.3797

■ 19.7244, 0.3458,
0.4634

■ 22.2467, 0.3202,
0.3538

■ 19.2523, 0.3496,
0.4903


■ 23.0482, 0.3129,
0.3297

■ 18.8379, 0.3515,
0.5147


■ 23.9226, 0.3058,
0.3076

■ 18.4778, 0.3514,
0.5355


■ 24.8720, 0.2990,
0.2875


 18.1681, 0.3491,
0.5515

 25.8982, 0.2925,
0.2693

 17.9056, 0.3455,
0.5638

 27.0033, 0.2864,
0.2530

 28.1889, 0.2807,
0.2384

 29.4569, 0.2754,
0.2253

Harmonies

Analogous

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



20.8526, 0.3737, 0.4031



20.8526, 0.3343, 0.4071



20.8526, 0.2908, 0.3855

Triad

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



20.8526, 0.3343, 0.4071



20.8526, 0.2339, 0.2723



20.8526, 0.3724, 0.3104

Complementary

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



20.8526, 0.3343, 0.4071



12.6329, 0.2852, 0.2499

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.



20.8526, 0.3308, 0.2809



20.8526, 0.3343, 0.4071



20.8526, 0.2521, 0.2588

Square

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



20.8526, 0.3343, 0.4071



20.8526, 0.2348, 0.3030



20.8526, 0.2867, 0.2623



20.8526, 0.3974, 0.3454

Rectangle

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



20.8526, 0.3343, 0.4071



20.8526, 0.2654, 0.3598



20.8526, 0.2867, 0.2623



20.8526, 0.3597, 0.2996

Sweetspot

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



20.8535, 0.3343, 0.4071



39.3375, 0.3194, 0.3511



16.6860, 0.3678, 0.3620



9.1184, 0.3203, 0.3542



67.3860, 0.3127, 0.3290



9.4630, 0.3127, 0.3290

Same Dimension

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



20.8535, 0.3343, 0.4071



36.0382, 0.3385, 0.4254



19.6899, 0.3117, 0.4128



5.3217, 0.3193, 0.3509



17.3404, 0.3456, 0.5638



0.0644, 0.3780, 0.5381

Inverse Universe

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



12.6329, 0.2852, 0.2499



19.2633, 0.2778, 0.2311



14.0125, 0.3123, 0.2560



4.6394, 0.3056, 0.3070



2.5266, 0.1958, 0.0852



0.0130, 0.2451, 0.1124

Previews

White Background



This preview shows how the Yxy color 20.8526, 0.3343, 0.4071 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 20.8526, 0.3343, 0.4071 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

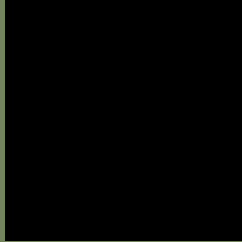
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.8526, 0.3343, 0.4071

Background



This preview shows how black text looks on a background with the Yxy color 20.8526, 0.3343, 0.4071.



This preview shows how white text looks on a background with the Yxy color 20.8526, 0.3343, 0.4071.

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

20.8526, 0.3343, 0.4071

Protanopia

20.8772, 0.3681, 0.3958

Deuteranopia

20.7788, 0.3808, 0.3755



Tritanopia

20.6924, 0.2951, 0.3107

Trichromacy



Original Color

20.8526, 0.3343, 0.4071

Protanomaly

20.7657, 0.3555, 0.3998

Deuteranomaly

20.6918, 0.3639, 0.3869

Tritanomaly

20.6460, 0.3097, 0.3441

Monochromacy



Original Color

20.8526, 0.3343, 0.4071

Achromatopsia

19.4618, 0.3127, 0.3290

Achromatomaly

19.9913, 0.3210, 0.3577

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.8526, 0.3343, 0.4071 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(114, 132, 92)` looks like.

```
.text, #text, p{  
    color:rgb(114, 132, 92)  
}
```

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(114, 132, 92) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(114, 132, 92) }
```

Border

The CSS property to change the border of an element to Yxy 20.8526, 0.3343, 0.4071 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(114, 132, 92) }
```

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

```
.border{ border-color:rgb(114, 132, 92) }
```

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

Here you see how a box with a 4 pixel `rgb(114, 132, 92)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(114, 132, 92); -webkit-box-  
shadow:4px 4px 4px 4px rgb(114, 132, 92);  
box-shadow:4px 4px 4px 4px rgb(114, 132,  
92) }
```


Background

The CSS property to change the background color of an element to Yxy 20.8526, 0.3343, 0.4071 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(114, 132, 92) }
```

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

```
.background{ background-color: rgb(114,  
132, 92) }
```

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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