

Converting Colors

$Y_{xy}(20.8501, 0.2938, 0.4034)$

Have a look what the booklet for
Yxy(20.8501, 0.2938, 0.4034)
contains.

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Color

$Y_{xy}(20.8093, 0.2940, 0.4043)$

Conversions

Conversions Part 1

Format	Color
Hex	568965
RGB	86, 137, 101
RGB Percent	34%, 54%, 40%
CMY	0.6627, 0.4627, 0.6040
CMYK	0.37, 0.00, 0.26, 0.46
HSL	138°, 23%, 44%
HSV	138°, 37%, 54%
XYZ	15.1322, 20.8093, 15.5285
YIQ	117.6470, -18.8400, -22.0080

Conversions

Conversions Part 2

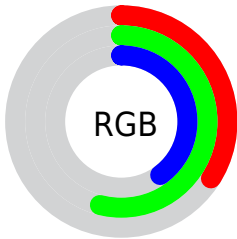
Format	Color
R_{YB}	86, 125, 137
Decimal	5671269
CIE _{Lab}	52.74, -25.30, 14.02
CIE _{LCh}	53, 28.928, 151.000
Yxy	20.8093, 0.2940, 0.4043
Android (android.graphics.Color)	4283861349 (0xFF568965)
YUV	117.6470, -8.2070, -27.7544
Hunter-Lab	45.6172, -20.6180, 11.7492

Details

The Yxy color $20.8093, 0.2940, 0.4043$ is a dark color, and the websafe version is hex 669966 . A complement of this color would be $13.3803, 0.3389, 0.2643$, and the grayscale version is $18.0315, 0.3127, 0.3290$.

A 20% lighter version of the original color is $44.9319, 0.2992, 0.3865$, and $7.4760, 0.2847, 0.4400$ is the 20% darker color. If you saturate the color by 10%, you get $20.0424, 0.2899, 0.4291$, and if you desaturate by 10%, it is $21.7250, 0.2987, 0.3812$.

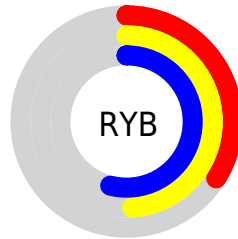
Distribution



Red (34%)

Green (54%)

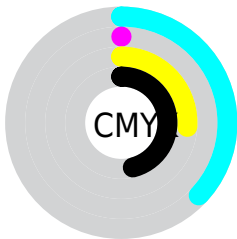
Blue (40%)



Red (34%)

Yellow (49%)

Blue (54%)

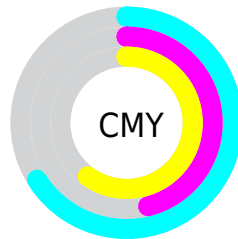


Cyan (37%)

Magenta (0%)

Yellow (26%)

Black (46%)



Cyan (66%)

Magenta (46%)


Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 20.8093, 0.2940, 0.4043 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 20.8093, 0.2940, 0.4043 by changing the saturation by 10% instead.


 20.8093, 0.2940,
0.4043

 20.8093, 0.2940,
0.4043


256.2633, 0.3055,
0.3599


 12.9847, 0.2901,
0.4185


 44.7699, 0.2989,
0.3861

 7.4180, 0.2841,
0.4393


 61.6747, 0.3005,
0.3799


 3.7249, 0.2742,
0.4723

 82.3751, 0.3017,
0.3750

 1.5209, 0.2583,
0.5434

 107.2553, 0.3028,
0.3709

 0.3034, 0.0000,
1.0000

 136.6999, 0.3036,
0.3674

 0.0000, 0.0000,
0.0000

171.0931, 0.3043,

0.3645

210.8195, 0.3050,
0.3620

■ 20.8093, 0.2940,
0.4043

■ 20.8093, 0.2940,
0.4043

■ 20.0424, 0.2899,
0.4291

■ 21.7250, 0.2987,
0.3812

■ 19.4136, 0.2868,
0.4550

■ 22.7940, 0.3037,
0.3602

■ 18.9153, 0.2848,
0.4814

■ 24.0243, 0.3089,
0.3413

■ 18.5377, 0.2843,
0.5070


■ 25.4220, 0.3142,
0.3245

■ 18.2696, 0.2853,
0.5308


■ 26.9933, 0.3193,
0.3098


 18.0907, 0.2875,
0.5516

 28.7440, 0.3242,
0.2968

 18.0471, 0.2880,
0.5570

 30.6794, 0.3289,
0.2854

 32.8049, 0.3333,
0.2756

 35.1255, 0.3375,
0.2669

Harmonies

Analogous

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



20.8093, 0.3461, 0.4251



20.8093, 0.2940, 0.4043



20.8093, 0.2493, 0.3570

Triad

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



20.8093, 0.2940, 0.4043



20.8093, 0.2358, 0.2468



20.8093, 0.4118, 0.3405

Complementary

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



20.8093, 0.2940, 0.4043



13.3803, 0.3389, 0.2643

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.



20.8093, 0.3772, 0.3001



20.8093, 0.2940, 0.4043



20.8093, 0.2735, 0.2484

Square

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



20.8093, 0.2940, 0.4043



20.8093, 0.2181, 0.2654



20.8093, 0.3251, 0.2675



20.8093, 0.4165, 0.3814

Rectangle

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



20.8093, 0.2940, 0.4043



20.8093, 0.2292, 0.3211



20.8093, 0.3251, 0.2675



20.8093, 0.4032, 0.3266

Sweetspot

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



20.8102, 0.2940, 0.4043



42.1006, 0.3068, 0.3487



22.7421, 0.3489, 0.4237



9.3862, 0.3062, 0.3508



69.2071, 0.3127, 0.3290



10.0482, 0.3127, 0.3290

Same Dimension

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



20.8102, 0.2940, 0.4043



36.0463, 0.2904, 0.4260



21.3759, 0.2717, 0.3510



5.6308, 0.3079, 0.3448



16.8120, 0.2879, 0.5564



0.1140, 0.2657, 0.4765

Inverse Universe

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



13.3803, 0.3389, 0.2643



20.6554, 0.3472, 0.2493



12.8389, 0.3798, 0.3085



5.1043, 0.3179, 0.3137



5.7556, 0.4093, 0.2029



0.0408, 0.3614, 0.1764

Previews

White Background



This preview shows how the Yxy color 20.8093, 0.2940, 0.4043 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 20.8093, 0.2940, 0.4043 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

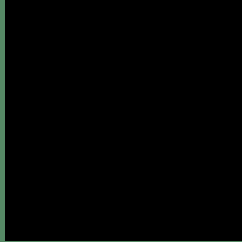
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.8093, 0.2940, 0.4043

Background



This preview shows how black text looks on a background with the Yxy color 20.8093, 0.2940, 0.4043.



This preview shows how white text looks on a background with the Yxy color 20.8093, 0.2940, 0.4043.

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

20.8093, 0.2940, 0.4043

Protanopia

20.5801, 0.3578, 0.3820

Deuteranopia

20.7144, 0.3630, 0.3570



Tritanopia

20.8884, 0.2648, 0.3098

Trichromacy



Original Color

20.8093, 0.2940, 0.4043

Protanomaly

20.3643, 0.3324, 0.3892

Deuteranomaly

20.4633, 0.3349, 0.3725

Tritanomaly

20.8578, 0.2756, 0.3428

Monochromacy



Original Color

20.8093, 0.2940, 0.4043

Achromatopsia

18.1164, 0.3127, 0.3290

Achromatomaly

18.9013, 0.3044, 0.3551

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.8093, 0.2940, 0.4043 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(86, 137, 101)` looks like.

```
.text, #text, p{  
  color:rgb(86, 137, 101)  
}
```

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(86, 137, 101) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 137, 101) }
```

Border

The CSS property to change the border of an element to Yxy 20.8093, 0.2940, 0.4043 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(86, 137, 101) }
```

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

```
.border{ border-color:rgb(86, 137, 101) }
```

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

Here you see how a box with a 4 pixel `rgb(86, 137, 101)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(86, 137, 101); -webkit-box-  
shadow:4px 4px 4px 4px rgb(86, 137, 101);  
box-shadow:4px 4px 4px 4px rgb(86, 137,  
101) }
```


Background

The CSS property to change the background color of an element to Yxy 20.8093, 0.2940, 0.4043 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(86, 137, 101) }
```

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

```
.background{ background-color: rgb(86, 137,  
101) }
```

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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