

Converting Colors

$Y_{xy}(13.1557, 0.3086, 0.4165)$

Have a look what the booklet for
Yxy(13.1557, 0.3086, 0.4165)
contains.

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Color

$Y_{xy}(13.1557, 0.3086, 0.4165)$

Conversions

Conversions Part 1

Format	Color
Hex	4B6E4B
RGB	75, 110, 75
RGB Percent	29%, 43%, 29%
CMY	0.7059, 0.5686, 0.7059
CMYK	0.32, 0.00, 0.32, 0.57
HSL	120°, 19%, 36%
HSV	120°, 32%, 43%
XYZ	9.7475, 13.1557, 8.6831
YIQ	95.5450, -9.6250, -18.3050

Conversions

Conversions Part 2

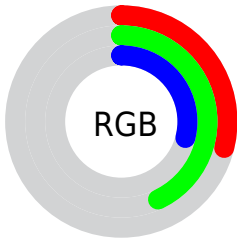
Format	Color
RYB	75, 110, 110
Decimal	4943435
CIELab	43.00, -20.26, 15.63
CIElCh	43, 25.588, 142.343
Yxy	13.1557, 0.3086, 0.4165
Android (android.graphics.Color)	4283133515 (0xFF4B6E4B)
YUV	95.5450, -10.1287, -18.0180
Hunter-Lab	36.2708, -15.5032, 11.1958

Details

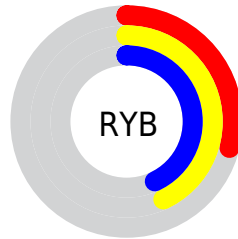
The Yxy color **13.1557, 0.3086, 0.4165** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **9.4726, 0.3162, 0.2547**, and the grayscale version is **11.6083, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.6559, 0.3106, 0.3931**, and **3.7911, 0.3009, 0.4658** is the 20% darker color. If you saturate the color by 10%, you get **12.6126, 0.3070, 0.4495**, and if you desaturate by 10%, it is **13.8027, 0.3100, 0.3858**.

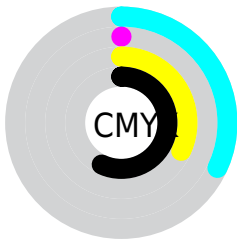
Distribution



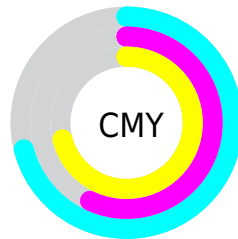
- Red (29%)
- Green (43%)
- Blue (29%)



- Red (29%)
- Yellow (43%)
- Blue (43%)



- Cyan (32%)
- Magenta (0%)
- Yellow (32%)
- Black (57%)





- Cyan (71%)
- Magenta (57%)
- Yellow (71%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.1557, 0.3086, 0.4165 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 13.1557, 0.3086, 0.4165 by changing the saturation by 10% instead.


 13.1557, 0.3086,
0.4165


 13.1557, 0.3086,
0.4165


211.9131, 0.3122,
0.3616


 7.5359, 0.3065,
0.4364


 31.5832, 0.3106,
0.3928


 3.7994, 0.3023,
0.4675

 45.1597, 0.3111,
0.3851

 1.5620, 0.3002,
0.5369

 62.1571, 0.3114,
0.3791

 0.3318, 0.0000,
1.0000

 82.9600, 0.3117,
0.3743

 0.0000, 0.0000,
0.0000

 107.9526, 0.3119,
0.3703

137.5194, 0.3120,

0.3669

172.0448, 0.3121,
0.3641

■ 13.1557, 0.3086,
0.4165

■ 13.1557, 0.3086,
0.4165

■ 12.6126, 0.3070,
0.4495

■ 13.8027, 0.3100,
0.3858

■ 12.1664, 0.3055,
0.4834

■ 14.5568, 0.3114,
0.3579

■ 11.8119, 0.3039,
0.5166


■ 15.4231, 0.3125,
0.3332


■ 11.5427, 0.3025,
0.5465


■ 16.4061, 0.3135,
0.3115

■ 11.3517, 0.3013,
0.5710


■ 17.5097, 0.3144,
0.2927

 11.2302, 0.3005,
0.5882

 18.7379, 0.3152,
0.2764

 11.1525, 0.3000,
0.6000

 20.0944, 0.3159,
0.2624

 21.5828, 0.3164,
0.2503

 23.2064, 0.3169,
0.2398

Harmonies

Analogous

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



13.1557, 0.3617, 0.4278



13.1557, 0.3086, 0.4165



13.1557, 0.2591, 0.3736

Triad

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



13.1557, 0.3086, 0.4165



13.1557, 0.2262, 0.2478



13.1557, 0.4074, 0.3282

Complementary

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



13.1557, 0.3086, 0.4165



9.4726, 0.3162, 0.2547

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.



13.1557, 0.3647, 0.2885



13.1557, 0.3086, 0.4165



13.1557, 0.2593, 0.2437

Square

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



13.1557, 0.3086, 0.4165



13.1557, 0.2145, 0.2730



13.1557, 0.3092, 0.2585



13.1557, 0.4216, 0.3709

Rectangle

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



13.1557, 0.3086, 0.4165



13.1557, 0.2346, 0.3366



13.1557, 0.3092, 0.2585



13.1557, 0.3958, 0.3143

Sweetspot

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



13.1563, 0.3086, 0.4165



25.7869, 0.3115, 0.3539



14.9755, 0.3579, 0.4037



5.9658, 0.3114, 0.3566



57.0482, 0.3127, 0.3290



6.3724, 0.3127, 0.3290

Same Dimension

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



13.1563, 0.3086, 0.4165



22.3996, 0.3075, 0.4400



13.4297, 0.2886, 0.3716



3.7632, 0.3117, 0.3507



13.3970, 0.3000, 0.6000



66.7359, 0.3000, 0.6000

Inverse Universe

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



9.4726, 0.3162, 0.2547



14.8663, 0.3170, 0.2384



9.1285, 0.3465, 0.2902



3.4535, 0.3137, 0.3083



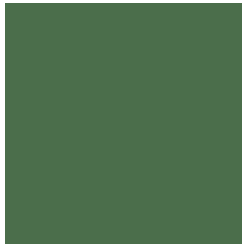
5.3341, 0.3210, 0.1542



26.5711, 0.3210, 0.1542

Previews

White Background



This preview shows how the Yxy color 13.1557, 0.3086, 0.4165 looks on a white 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

Black Background



This preview shows how the Yxy color 13.1557, 0.3086, 0.4165 looks on a black 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

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

Yxy 13.1557, 0.3086, 0.4165

Background



This preview shows how black text looks on a background with the Yxy color 13.1557, 0.3086, 0.4165.



This preview shows how white text looks on a background with the Yxy color 13.1557, 0.3086, 0.4165.

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

13.1557, 0.3086, 0.4165

Protanopia

13.0135, 0.3672, 0.3950

Deuteranopia

13.0214, 0.3756, 0.3689



Tritanopia

13.1119, 0.2721, 0.3084

Trichromacy



Original Color

13.1557, 0.3086, 0.4165

Protanomaly

12.9099, 0.3453, 0.4034

Deuteranomaly

12.9221, 0.3487, 0.3857

Tritanomaly

13.0978, 0.2845, 0.3456

Monochromacy



Original Color

13.1557, 0.3086, 0.4165

Achromatopsia

11.6971, 0.3127, 0.3290

Achromatomaly

12.0866, 0.3112, 0.3603

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.1557, 0.3086, 0.4165 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(75, 110, 75)` looks like.

```
.text, #text, p{  
    color:rgb(75, 110, 75)  
}
```

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(75, 110, 75) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(75, 110, 75) }
```

Border

The CSS property to change the border of an element to Yxy 13.1557, 0.3086, 0.4165 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(75, 110, 75) }
```

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

```
.border{ border-color:rgb(75, 110, 75) }
```

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

Here you see how a box with a 4 pixel `rgb(75, 110, 75)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(75, 110, 75); -webkit-box-  
shadow:4px 4px 4px 4px rgb(75, 110, 75);  
box-shadow:4px 4px 4px 4px rgb(75, 110,  
75) }
```


Background

The CSS property to change the background color of an element to Yxy 13.1557, 0.3086, 0.4165 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(75, 110, 75) }
```

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

```
.background{ background-color: rgb(75, 110,  
75) }
```

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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