

Converting Colors

$Y_{xy}(12.9797, 0.2655, 0.4035)$

Have a look what the booklet for
Yxy(12.9797, 0.2655, 0.4035)
contains.

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Color

Yxy(12.9797, 0.2655, 0.4035)

Conversions

Conversions Part 1

Format	Color
Hex	2B7155
RGB	43, 113, 85
RGB Percent	17%, 44%, 33%
CMY	0.8314, 0.5568, 0.6667
CMYK	0.62, 0.00, 0.25, 0.56
HSL	156°, 45%, 31%
HSV	156°, 62%, 44%
XYZ	8.5405, 12.9797, 10.6475
YIQ	88.8780, -32.7320, -23.5480

Conversions

Conversions Part 2

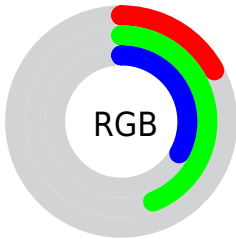
Format	Color
RYB	43, 87, 113
Decimal	2847061
CIELab	42.73, -29.21, 9.12
CIELCh	43, 30.598, 162.658
Yxy	12.9797, 0.2655, 0.4035
Android (android.graphics.Color)	4281037141 (0xFF2B7155)
YUV	88.8780, -1.9119, -40.2350
Hunter-Lab	36.0274, -20.7331, 7.6966

Details

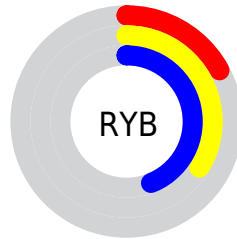
The Yxy color **12.9797, 0.2655, 0.4035** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **5.6933, 0.4176, 0.2698**, and the grayscale version is **9.9711, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.1463, 0.2778, 0.3820**, and **3.8200, 0.2558, 0.4409** is the 20% darker color. If you saturate the color by 10%, you get **12.6994, 0.2620, 0.4182**, and if you desaturate by 10%, it is **13.3334, 0.2706, 0.3893**.

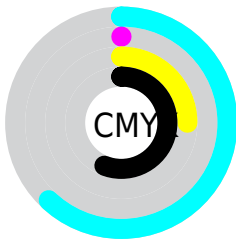
Distribution



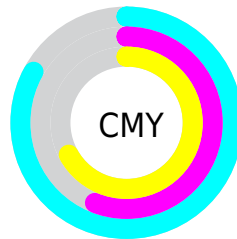
- Red (17%)
- Green (44%)
- Blue (33%)



- Red (17%)
- Yellow (34%)
- Blue (44%)



- Cyan (62%)
- Magenta (0%)
- Yellow (25%)
- Black (56%)




- Cyan (83%)
- Magenta (56%)
- Yellow (67%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 12.9797, 0.2655, 0.4035 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 12.9797, 0.2655, 0.4035 by changing the saturation by 10% instead.


 12.9797, 0.2655,
0.4035


 12.9797, 0.2655,
0.4035

 210.7875, 0.2948,
0.3567

 7.4146, 0.2551,
0.4205


 31.2673, 0.2781,
0.3832


 3.7227, 0.2389,
0.4475

 44.7586, 0.2821,
0.3767

 1.5197, 0.2059,
0.4993

 61.6607, 0.2854,
0.3716

 0.3025, 0.0000,
1.0000

 82.3580, 0.2880,
0.3675

 0.0000, 0.0000,
0.0000

 107.2350, 0.2901,
0.3641

 136.6759, 0.2919,

0.3612

171.0653, 0.2935,
0.3588

■ 12.9797, 0.2655,
0.4035

■ 12.9797, 0.2655,
0.4035

■ 12.6994, 0.2620,
0.4182

■ 13.3334, 0.2706,
0.3893

■ 12.4850, 0.2603,
0.4330

■ 13.7640, 0.2770,
0.3758

■ 12.3301, 0.2604,
0.4478

■ 14.2768, 0.2845,
0.3630

■ 12.2258, 0.2610,
0.4597

■ 14.8761, 0.2928,
0.3513

■ 15.5659, 0.3017,
0.3405

■ 16.3499, 0.3109,
0.3308

■ 17.2316, 0.3202,
0.3220

■ 18.2145, 0.3295,
0.3142

■ 19.3016, 0.3387,
0.3073

Harmonies

Analogous

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



12.9797, 0.3272, 0.4449



12.9797, 0.2655, 0.4035



12.9797, 0.2195, 0.3365

Triad

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



12.9797, 0.2655, 0.4035



12.9797, 0.2341, 0.2277



12.9797, 0.4422, 0.3604

Complementary

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



12.9797, 0.2655, 0.4035



5.6933, 0.4176, 0.2698

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.



12.9797, 0.4131, 0.3111



12.9797, 0.2655, 0.4035



12.9797, 0.2872, 0.2386

Square

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



12.9797, 0.2655, 0.4035



12.9797, 0.2037, 0.2392



12.9797, 0.3537, 0.2682



12.9797, 0.4315, 0.4083

Rectangle

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



12.9797, 0.2655, 0.4035



12.9797, 0.2025, 0.2940



12.9797, 0.3537, 0.2682



12.9797, 0.4369, 0.3437

Sweetspot

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



12.9802, 0.2655, 0.4035



26.9235, 0.2950, 0.3486



13.3694, 0.3370, 0.4991



6.1660, 0.2930, 0.3510



58.7016, 0.3127, 0.3290



6.8385, 0.3127, 0.3290

Same Dimension

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



12.9802, 0.2655, 0.4035



22.5709, 0.2611, 0.4241



12.2565, 0.2372, 0.3142



3.7937, 0.3044, 0.3375



13.8634, 0.2613, 0.4605



68.8860, 0.2635, 0.4684

Inverse Universe

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



5.6933, 0.4176, 0.2698



8.3150, 0.4564, 0.2629



5.8676, 0.4852, 0.3415



3.4216, 0.3218, 0.3206



4.1954, 0.5287, 0.2686



20.7381, 0.5422, 0.2761

Previews

White Background



This preview shows how the Yxy color 12.9797, 0.2655, 0.4035 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 12.9797, 0.2655, 0.4035 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

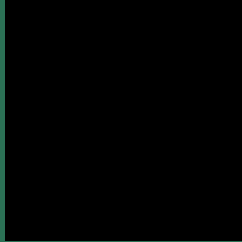
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 12.9797, 0.2655, 0.4035

Background



This preview shows how black text looks on a background with the Yxy color 12.9797, 0.2655, 0.4035.



This preview shows how white text looks on a background with the Yxy color 12.9797, 0.2655, 0.4035.

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

12.9797, 0.2655, 0.4035

Protanopia

12.8047, 0.3531, 0.3758

Deuteranopia

12.8481, 0.3508, 0.3462



Tritanopia

13.0296, 0.2420, 0.3073

Trichromacy



Original Color

12.9797, 0.2655, 0.4035

Protanomaly

12.5820, 0.3141, 0.3877

Deuteranomaly

12.4798, 0.3110, 0.3649

Tritanomaly

12.8706, 0.2499, 0.3389

Monochromacy



Original Color

12.9797, 0.2655, 0.4035

Achromatopsia

9.9899, 0.3127, 0.3290

Achromatomaly

10.8177, 0.2888, 0.3550

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.9797, 0.2655, 0.4035 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(43, 113, 85)` looks like.

```
.text, #text, p{  
    color:rgb(43, 113, 85)  
}
```

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(43, 113, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(43, 113, 85) }
```

Border

The CSS property to change the border of an element to Yxy 12.9797, 0.2655, 0.4035 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(43, 113, 85) }
```

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

```
.border{ border-color:rgb(43, 113, 85) }
```

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

Here you see how a box with a 4 pixel `rgb(43, 113, 85)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(43, 113, 85); -webkit-box-  
shadow:4px 4px 4px 4px rgb(43, 113, 85);  
box-shadow:4px 4px 4px 4px rgb(43, 113,  
85) }
```


Background

The CSS property to change the background color of an element to Yxy 12.9797, 0.2655, 0.4035 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(43, 113, 85) }
```

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

```
.background{ background-color: rgb(43, 113,  
85) }
```

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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