

Converting Colors

$Yxy(29.4032, 0.2537, 0.4082)$

Have a look what the booklet for
Yxy(29.4032, 0.2537, 0.4082)
contains.

Yxy(29.5371, 0.2536, 0.4082)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(29.5371, 0.2536, 0.4082)

Conversions

Conversions Part 1

Format	Color
Hex	25A77E
RGB	37, 167, 126
RGB Percent	15%, 65%, 49%
CMY	0.8545, 0.3451, 0.5059
CMYK	0.78, 0.00, 0.25, 0.35
HSL	161°, 64%, 40%
HSV	161°, 78%, 65%
XYZ	18.3503, 29.5371, 24.4719
YIQ	123.4560, -64.3190, -40.3110

Conversions

Conversions Part 2

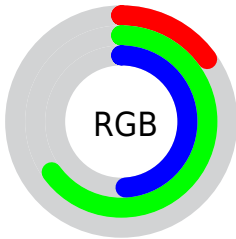
Format	Color
RYB	37, 114, 167
Decimal	2467710
CIELab	61.25, -44.00, 11.59
CIElCh	61, 45.505, 165.238
Yxy	29.5371, 0.2536, 0.4082
Android (android.graphics.Color)	4280657790 (0xFF25A77E)
YUV	123.4560, 1.2542, -75.8219
Hunter-Lab	54.3480, -34.8395, 11.3464

Details

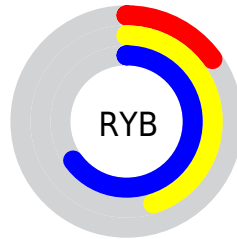
The Yxy color **29.5371, 0.2536, 0.4082** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **10.0971, 0.4952, 0.2781**, and the grayscale version is **19.9887, 0.3127, 0.3290**.

A 20% lighter version of the original color is **58.9731, 0.2662, 0.3902**, and **12.5704, 0.2538, 0.4337** is the 20% darker color. If you saturate the color by 10%, you get **29.1634, 0.2528, 0.4201**, and if you desaturate by 10%, it is **30.0617, 0.2563, 0.3963**.

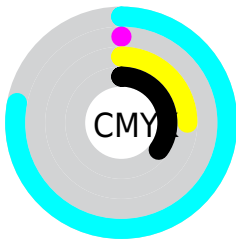
Distribution



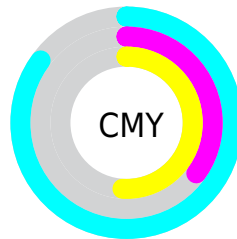
- Red (15%)
- Green (65%)
- Blue (49%)



- Red (15%)
- Yellow (45%)
- Blue (65%)



- Cyan (78%)
- Magenta (0%)
- Yellow (25%)
- Black (35%)





- Cyan (85%)
- Magenta (35%)
- Yellow (51%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.5371, 0.2536, 0.4082 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 29.5371, 0.2536, 0.4082 by changing the saturation by 10% instead.


 29.5371, 0.2536,
0.4082


 29.5371, 0.2536,
0.4082


299.7408, 0.2862,
0.3637

 19.4875, 0.2443,
0.4213


 58.9294, 0.2662,
0.3907


 12.0231, 0.2317,
0.4394


 79.0408, 0.2707,
0.3845

 6.7594, 0.2135,
0.4662


 103.2750, 0.2744,
0.3795

 3.3121, 0.1853,
0.5095

 132.0163, 0.2775,
0.3753

 1.2968, 0.0563,
0.6642

 165.6491, 0.2802,
0.3717

 0.1387, 0.0000,
1.0000

 204.5579, 0.2825,

 0.0000, 0.0000,

0.3687

0.0000

249.1270, 0.2844,
0.3660

■ 29.5371, 0.2536,
0.4082

■ 29.5371, 0.2536,
0.4082

■ 29.1634, 0.2528,
0.4201

■ 30.0617, 0.2563,
0.3963

■ 28.9088, 0.2538,
0.4319

■ 30.7508, 0.2610,
0.3846

■ 28.8579, 0.2540,
0.4345

■ 31.6204, 0.2673,
0.3734

■ 32.6836, 0.2751,
0.3627

■ 33.9522, 0.2841,
0.3527

■ 35.4371, 0.2939,
0.3434

■ 37.1484, 0.3043,
0.3350

■ 39.0956, 0.3151,
0.3274

■ 41.2876, 0.3261,
0.3206

Harmonies

Analogous

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



29.5371, 0.3215, 0.4594



29.5371, 0.2536, 0.4082



29.5371, 0.2052, 0.3299

Triad

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



29.5371, 0.2536, 0.4082



29.5371, 0.2289, 0.2166



29.5371, 0.4595, 0.3669

Complementary

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



29.5371, 0.2536, 0.4082



10.0971, 0.4952, 0.2781

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.



29.5371, 0.4308, 0.3126



29.5371, 0.2536, 0.4082



29.5371, 0.2896, 0.2307

Square

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



29.5371, 0.2536, 0.4082



29.5371, 0.1934, 0.2263



29.5371, 0.3651, 0.2647



29.5371, 0.4425, 0.4201

Rectangle

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



29.5371, 0.2536, 0.4082



29.5371, 0.1885, 0.2829



29.5371, 0.3651, 0.2647



29.5371, 0.4550, 0.3485

Sweetspot

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



29.5383, 0.2536, 0.4082



61.9189, 0.2883, 0.3486



29.4008, 0.3253, 0.5522



13.6558, 0.2849, 0.3518



84.8088, 0.3127, 0.3290



15.4872, 0.3127, 0.3290

Same Dimension

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



29.5383, 0.2536, 0.4082



51.9038, 0.2534, 0.4282



22.8860, 0.2185, 0.2842



8.4911, 0.3027, 0.3362



22.0922, 0.2537, 0.4334



0.5461, 0.2429, 0.3946

Inverse Universe

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



10.0971, 0.4952, 0.2781



15.6216, 0.5524, 0.2865



11.6791, 0.5488, 0.3573



7.5799, 0.3238, 0.3219



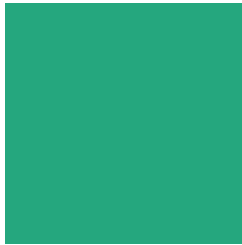
6.4893, 0.5663, 0.2893



0.1671, 0.4751, 0.2391

Previews

White Background



This preview shows how the Yxy color 29.5371, 0.2536, 0.4082 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 29.5371, 0.2536, 0.4082 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 29.5371, 0.2536, 0.4082

Background



This preview shows how black text looks on a background with the Yxy color 29.5371, 0.2536, 0.4082.



This preview shows how white text looks on a background with the Yxy color 29.5371, 0.2536, 0.4082.

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

29.5371, 0.2536, 0.4082

Protanopia

28.8866, 0.3539, 0.3766

Deuteranopia

28.8227, 0.3498, 0.3428



Tritanopia

29.6025, 0.2322, 0.3064

Trichromacy



Original Color

29.5371, 0.2536, 0.4082



Protanomaly

27.9780, 0.3032, 0.3899



Deuteranomaly

27.3463, 0.3002, 0.3641



Tritanomaly

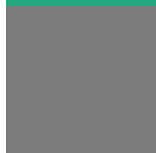
29.4130, 0.2391, 0.3396

Monochromacy



Original Color

29.5371, 0.2536, 0.4082



Achromatopsia

19.8069, 0.3127, 0.3290



Achromatomaly

22.1958, 0.2791, 0.3584

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.5371, 0.2536, 0.4082 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(37, 167, 126)` looks like.

```
.text, #text, p{  
  color:rgb(37, 167, 126)  
}
```

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(37, 167, 126) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(37, 167, 126) }
```

Border

The CSS property to change the border of an element to Yxy 29.5371, 0.2536, 0.4082 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(37, 167, 126) }
```

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

```
.border{ border-color:rgb(37, 167, 126) }
```

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

Here you see how a box with a 4 pixel `rgb(37, 167, 126)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(37, 167, 126); -webkit-box-  
shadow:4px 4px 4px 4px rgb(37, 167, 126);  
box-shadow:4px 4px 4px 4px rgb(37, 167,  
126) }
```


Background

The CSS property to change the background color of an element to Yxy 29.5371, 0.2536, 0.4082 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(37, 167, 126) }
```

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

```
.background{ background-color: rgb(37, 167,  
126) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor