

Converting Colors

$Y_{xy}(15.6486, 0.2833, 0.4032)$

Have a look what the booklet for
Yxy(15.6486, 0.2833, 0.4032)
contains.

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Color

Yxy(15.5712, 0.2831, 0.4034)

Conversions

Conversions Part 1

Format	Color
Hex	42795A
RGB	66, 121, 90
RGB Percent	26%, 47%, 35%
CMY	0.7413, 0.5255, 0.6471
CMYK	0.45, 0.00, 0.26, 0.53
HSL	146°, 29%, 37%
HSV	146°, 45%, 47%
XYZ	10.9276, 15.5712, 12.1011
YIQ	101.0210, -22.8290, -21.3010

Conversions

Conversions Part 2

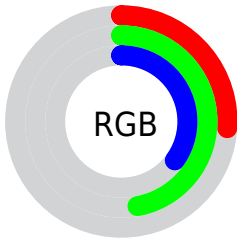
Format	Color
RYB	66, 104, 121
Decimal	4356442
CIELab	46.41, -25.87, 11.44
CIELCh	46, 28.285, 156.143
Yxy	15.5712, 0.2831, 0.4034
Android (android.graphics.Color)	4282546522 (0xFF42795A)
YUV	101.0210, -5.4334, -30.7134
Hunter-Lab	39.4604, -19.6242, 9.4401

Details

The Yxy color **15.5712, 0.2831, 0.4034** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **8.8206, 0.3613, 0.2658**, and the grayscale version is **13.0364, 0.3127, 0.3290**.

A 20% lighter version of the original color is **35.9475, 0.2911, 0.3846**, and **4.9099, 0.2675, 0.4448** is the 20% darker color. If you saturate the color by 10%, you get **15.0845, 0.2786, 0.4236**, and if you desaturate by 10%, it is **16.1588, 0.2887, 0.3844**.

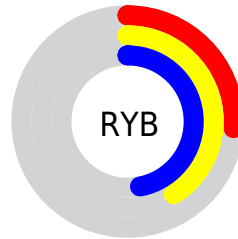
Distribution



Red (26%)

Green (47%)

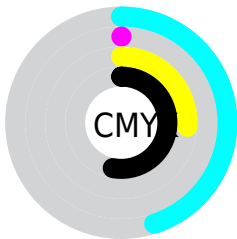
Blue (35%)



Red (26%)

Yellow (41%)

Blue (47%)

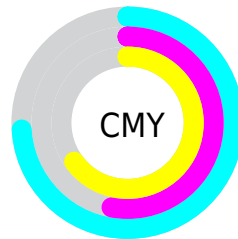


Cyan (45%)

Magenta (0%)

Yellow (26%)

Black (53%)



Cyan (74%)

Magenta (53%)

Yellow (65%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 15.5712, 0.2831, 0.4034 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 15.5712, 0.2831, 0.4034 by changing the saturation by 10% instead.

■ 15.5712, 0.2831,
0.4034

■ 15.5712, 0.2831,
0.4034

■ 226.7980, 0.3014,
0.3577

■ 9.2212, 0.2767,
0.4192

■ 35.8522, 0.2909,
0.3840

■ 4.8858, 0.2667,
0.4435

■ 50.5520, 0.2935,
0.3777

■ 2.1804, 0.2494,
0.4850

■ 68.8038, 0.2955,
0.3726

■ 0.7093, 0.0567,
0.9433

■ 90.9922, 0.2971,
0.3685

■ 0.0000, 0.0000,
0.0000

■ 117.5013, 0.2985,
0.3652

148.7158, 0.2996,

0.3623

185.0199, 0.3006,
0.3599

■ 15.5712, 0.2831,
0.4034

■ 15.5712, 0.2831,
0.4034

■ 15.0845, 0.2786,
0.4236

■ 16.1588, 0.2887,
0.3844

■ 14.6908, 0.2754,
0.4445

■ 16.8507, 0.2950,
0.3668

■ 14.3841, 0.2737,
0.4657


■ 17.6528, 0.3018,
0.3508

■ 14.1569, 0.2738,
0.4865


■ 18.5695, 0.3088,
0.3363


■ 13.9965, 0.2756,
0.5063


■ 19.6055, 0.3159,
0.3233

 13.9321, 0.2764,
0.5150

 20.7648, 0.3230,
0.3119

 22.0515, 0.3299,
0.3017

 23.4693, 0.3365,
0.2928

 25.0219, 0.3429,
0.2850

Harmonies

Analogous

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



15.5712, 0.3386, 0.4317



15.5712, 0.2831, 0.4034



15.5712, 0.2381, 0.3489

Triad

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



15.5712, 0.2831, 0.4034



15.5712, 0.2358, 0.2399



15.5712, 0.4228, 0.3484

Complementary

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



15.5712, 0.2831, 0.4034



8.8206, 0.3613, 0.2658

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.



15.5712, 0.3905, 0.3048



15.5712, 0.2831, 0.4034



15.5712, 0.2792, 0.2452

Square

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



15.5712, 0.2831, 0.4034



15.5712, 0.2132, 0.2556



15.5712, 0.3360, 0.2684



15.5712, 0.4217, 0.3915

Rectangle

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



15.5712, 0.2831, 0.4034



15.5712, 0.2193, 0.3107



15.5712, 0.3360, 0.2684



15.5712, 0.4155, 0.3335

Sweetspot

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



15.5718, 0.2831, 0.4034



31.7830, 0.3026, 0.3490



16.6196, 0.3444, 0.4483



7.2051, 0.3013, 0.3517



62.0916, 0.3127, 0.3290



7.8288, 0.3127, 0.3290

Same Dimension

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



15.5718, 0.2831, 0.4034



26.9393, 0.2782, 0.4254



16.1261, 0.2574, 0.3371



4.4763, 0.3063, 0.3413



14.9261, 0.2766, 0.5156



71.0341, 0.2791, 0.5248

Inverse Universe

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



8.8206, 0.3613, 0.2658



13.1636, 0.3785, 0.2519



8.3956, 0.4186, 0.3217



4.0493, 0.3197, 0.3170



4.8035, 0.4632, 0.2325



22.7398, 0.4727, 0.2378

Previews

White Background



This preview shows how the Yxy color 15.5712, 0.2831, 0.4034 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 15.5712, 0.2831, 0.4034 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

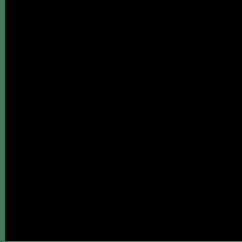
Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

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

Yxy 15.5712, 0.2831, 0.4034

Background



This preview shows how black text looks on a background with the Yxy color 15.5712, 0.2831, 0.4034.



This preview shows how white text looks on a background with the Yxy color 15.5712, 0.2831, 0.4034.

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

15.5712, 0.2831, 0.4034

Protanopia

15.3751, 0.3556, 0.3785

Deuteranopia

15.3291, 0.3597, 0.3528



Tritanopia

15.4930, 0.2559, 0.3071

Trichromacy



Original Color

15.5712, 0.2831, 0.4034

Protanomaly

15.0950, 0.3245, 0.3868

Deuteranomaly

15.0846, 0.3270, 0.3702

Tritanomaly

15.5268, 0.2658, 0.3402

Monochromacy



Original Color

15.5712, 0.2831, 0.4034

Achromatopsia

13.0136, 0.3127, 0.3290

Achromatomaly

13.6629, 0.2995, 0.3545

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.5712, 0.2831, 0.4034 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(66, 121, 90)` looks like.

```
.text, #text, p{  
    color:rgb(66, 121, 90)  
}
```

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(66, 121, 90) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(66, 121, 90) }
```

Border

The CSS property to change the border of an element to Yxy 15.5712, 0.2831, 0.4034 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(66, 121, 90) }
```

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

```
.border{ border-color:rgb(66, 121, 90) }
```

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

Here you see how a box with a 4 pixel rgb(66, 121, 90) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(66, 121, 90); -webkit-box-  
shadow:4px 4px 4px 4px rgb(66, 121, 90);  
box-shadow:4px 4px 4px 4px rgb(66, 121,  
90) }
```


Background

The CSS property to change the background color of an element to Yxy 15.5712, 0.2831, 0.4034 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(66, 121, 90) }
```

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

```
.background{ background-color: rgb(66, 121,  
90) }
```

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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