

Converting Colors

$Y_{xy}(30.1987, 0.2926, 0.4202)$

Have a look what the booklet for
Yxy(30.1987, 0.2926, 0.4202)
contains.

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Color

Yxy(30.1987, 0.2926, 0.4202)

Conversions

Conversions Part 1

Format	Color
Hex	5FA472
RGB	95, 164, 114
RGB Percent	37%, 64%, 45%
CMY	0.6276, 0.3568, 0.5529
CMYK	0.42, 0.00, 0.30, 0.36
HSL	137°, 28%, 51%
HSV	137°, 42%, 64%
XYZ	21.0284, 30.1987, 20.6403
YIQ	137.6690, -25.0740, -30.1780

Conversions

Conversions Part 2

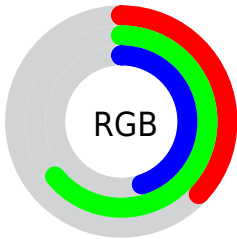
Format	Color
R_{YB}	95, 149, 164
Decimal	6268018
CIE _{Lab}	61.83, -33.05, 19.29
CIE _{LCh}	62, 38.265, 149.725
Yxy	30.1987, 0.2926, 0.4202
Android (android.graphics.Color)	4284458098 (0xFF5FA472)
YUV	137.6690, -11.6688, -37.4207
Hunter-Lab	54.9533, -27.8636, 16.1982

Details

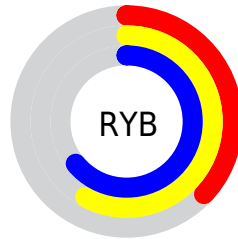
The Yxy color **30.1987, 0.2926, 0.4202** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **18.1129, 0.3423, 0.2530**, and the grayscale version is **25.3320, 0.3127, 0.3290**.

A 20% lighter version of the original color is **59.7121, 0.2974, 0.3997**, and **12.4739, 0.2826, 0.4559** is the 20% darker color. If you saturate the color by 10%, you get **29.1595, 0.2891, 0.4468**, and if you desaturate by 10%, it is **31.4604, 0.2969, 0.3951**.

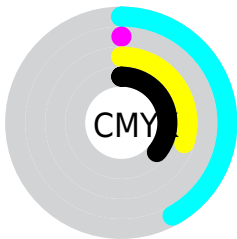
Distribution



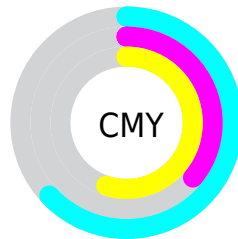
- Red (37%)
- Green (64%)
- Blue (45%)



- Red (37%)
- Yellow (58%)
- Blue (64%)



- Cyan (42%)
- Magenta (0%)
- Yellow (30%)
- Black (36%)





- Cyan (63%)
- Magenta (36%)
- Yellow (55%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.1987, 0.2926, 0.4202 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 30.1987, 0.2926, 0.4202 by changing the saturation by 10% instead.


 30.1987, 0.2926,
0.4202


 30.1987, 0.2926,
0.4202


302.8295, 0.3047,
0.3688


 19.9895, 0.2887,
0.4353


 59.9763, 0.2976,
0.3999


 12.3874, 0.2831,
0.4563


 80.3134, 0.2993,
0.3928

 7.0081, 0.2742,
0.4873


 104.7952, 0.3006,
0.3870

 3.4672, 0.2587,
0.5371

 133.8062, 0.3017,
0.3822

 1.3802, 0.2310,
0.7285

167.7308, 0.3026,
0.3781

 0.2021, 0.0000,
1.0000

206.9532, 0.3034,

 0.0000, 0.0000,

0.3745

0.0000

251.8580, 0.3041,
0.3715

■ 30.1987, 0.2926,
0.4202

■ 30.1987, 0.2926,
0.4202

■ 29.1595, 0.2891,
0.4468

■ 31.4604, 0.2969,
0.3951

■ 28.3260, 0.2867,
0.4741

■ 32.9528, 0.3016,
0.3721

■ 27.6850, 0.2856,
0.5010


■ 34.6882, 0.3066,
0.3512

■ 27.2201, 0.2860,
0.5263


■ 36.6771, 0.3117,
0.3326

■ 26.9119, 0.2879,
0.5486

■ 38.9290, 0.3167,
0.3162

 26.7459, 0.2899,
0.5637

 41.4534, 0.3215,
0.3019

 44.2589, 0.3261,
0.2893

 47.3539, 0.3305,
0.2784

 50.7465, 0.3346,
0.2690

Harmonies

Analogous

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



30.1987, 0.3529, 0.4421



30.1987, 0.2926, 0.4202



30.1987, 0.2407, 0.3643

Triad

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



30.1987, 0.2926, 0.4202



30.1987, 0.2227, 0.2347



30.1987, 0.4276, 0.3389

Complementary

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



30.1987, 0.2926, 0.4202



18.1129, 0.3423, 0.2530

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.



30.1987, 0.3857, 0.2935



30.1987, 0.2926, 0.4202



30.1987, 0.2647, 0.2361

Square

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



30.1987, 0.2926, 0.4202



30.1987, 0.2039, 0.2562



30.1987, 0.3240, 0.2571



30.1987, 0.4340, 0.3861

Rectangle

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



30.1987, 0.2926, 0.4202



30.1987, 0.2173, 0.3215



30.1987, 0.3240, 0.2571



30.1987, 0.4171, 0.3232

Sweetspot

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



30.2000, 0.2926, 0.4202



62.5745, 0.3060, 0.3535



33.4539, 0.3549, 0.4378



13.5287, 0.3050, 0.3577



82.7571, 0.3127, 0.3290



14.7319, 0.3127, 0.3290

Same Dimension

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



30.2000, 0.2926, 0.4202



52.9470, 0.2892, 0.4464



31.1199, 0.2675, 0.3569



7.9257, 0.3080, 0.3457



20.5118, 0.2895, 0.5621



0.4386, 0.2698, 0.4912

Inverse Universe

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



18.1129, 0.3423, 0.2530



27.8844, 0.3518, 0.2364



17.2189, 0.3928, 0.3037



7.1687, 0.3177, 0.3129



7.0768, 0.4037, 0.1998



0.1560, 0.3680, 0.1801

Previews

White Background



This preview shows how the Yxy color 30.1987, 0.2926, 0.4202 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 30.1987, 0.2926, 0.4202 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 ✓ Pass

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

Yxy 30.1987, 0.2926, 0.4202

Background



This preview shows how black text looks on a background with the Yxy color 30.1987, 0.2926, 0.4202.



This preview shows how white text looks on a background with the Yxy color 30.1987, 0.2926, 0.4202.

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

30.1987, 0.2926, 0.4202

Protanopia

29.7149, 0.3668, 0.3929

Deuteranopia

29.8611, 0.3712, 0.3648



Tritanopia

30.1420, 0.2589, 0.3075

Trichromacy



Original Color

30.1987, 0.2926, 0.4202

Protanomaly

29.4712, 0.3353, 0.4029

Deuteranomaly

29.4373, 0.3391, 0.3846

Tritanomaly

30.2272, 0.2710, 0.3461

Monochromacy



Original Color

30.1987, 0.2926, 0.4202

Achromatopsia

25.4152, 0.3127, 0.3290

Achromatomaly

26.5900, 0.3041, 0.3606

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.1987, 0.2926, 0.4202 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(95, 164, 114)` looks like.

```
.text, #text, p{  
    color:rgb(95, 164, 114)  
}
```

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(95, 164, 114) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(95, 164, 114) }
```

Border

The CSS property to change the border of an element to Yxy 30.1987, 0.2926, 0.4202 is called "border". The border property can be set on classes, ids or directly on the HTML element.

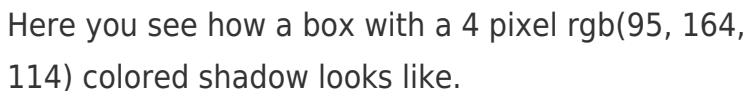
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(95, 164, 114) }
```

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

```
.border{ border-color:rgb(95, 164, 114) }
```

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



Here you see how a box with a 4 pixel `rgb(95, 164, 114)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(95, 164, 114); -webkit-box-shadow:4px 4px 4px 4px rgb(95, 164, 114); box-shadow:4px 4px 4px 4px rgb(95, 164, 114) }
```


Background

The CSS property to change the background color of an element to Yxy 30.1987, 0.2926, 0.4202 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(95, 164, 114) }
```

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

```
.background{ background-color: rgb(95, 164,  
114) }
```

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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