

Converting Colors

$Yxy(30.3632, 0.2535, 0.2905)$

Have a look what the booklet for
Yxy(30.3632, 0.2535, 0.2905)
contains.

Yxy(30.3234, 0.2532, 0.2905)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(30.3234, 0.2532, 0.2905)

Conversions

Conversions Part 1

Format	Color
Hex	6D9CB4
RGB	109, 156, 180
RGB Percent	43%, 61%, 71%
CMY	0.5726, 0.3882, 0.2942
CMYK	0.39, 0.13, 0.00, 0.29
HSL	200°, 32%, 57%
HSV	200°, 39%, 71%
XYZ	26.4299, 30.3234, 47.6302
YIQ	144.6830, -35.7160, -2.5000

Conversions

Conversions Part 2

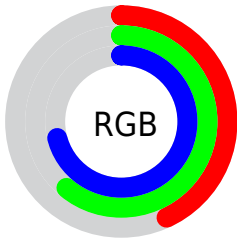
Format	Color
R _{YB}	109, 137, 180
Decimal	7183540
CIE Lab	61.93, -9.56, -17.46
CIE LCh	62, 19.904, 241.291
Yxy	30.3234, 0.2532, 0.2905
Android (android.graphics.Color)	4285373620 (0xFF6D9CB4)
YUV	144.6830, 17.4113, -31.2940
Hunter-Lab	55.0667, -10.6936, -12.7365

Details

The Yxy color **30.3234, 0.2532, 0.2905** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **27.5678, 0.3956, 0.3640**, and the grayscale version is **28.1178, 0.3127, 0.3290**.

A 20% lighter version of the original color is **59.9358, 0.2647, 0.2977**, and **12.4762, 0.2340, 0.2777** is the 20% darker color. If you saturate the color by 10%, you get **27.3088, 0.2393, 0.2788**, and if you desaturate by 10%, it is **33.6761, 0.2679, 0.3015**.

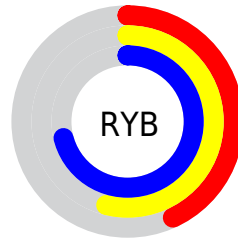
Distribution



Red (43%)

Green (61%)

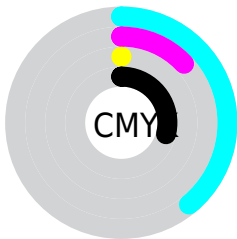
Blue (71%)



Red (43%)

Yellow (54%)

Blue (71%)

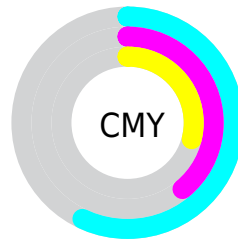


Cyan (39%)

Magenta (13%)

Yellow (0%)

Black (29%)



Cyan (57%)

Magenta (39%)

Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 30.3234, 0.2532, 0.2905 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 30.3234, 0.2532, 0.2905 by changing the saturation by 10% instead.

■ 30.3234, 0.2532,
0.2905

■ 30.3234, 0.2532,
0.2905

■ 303.4090, 0.2844,
0.3114

■ 20.0842, 0.2450,
0.2847

■ 60.1732, 0.2649,
0.2985

■ 12.4563, 0.2341,
0.2770

■ 80.5527, 0.2692,
0.3014

■ 7.0552, 0.2193,
0.2660

■ 105.0809, 0.2727,
0.3038

■ 3.4967, 0.1980,
0.2495

■ 134.1425, 0.2758,
0.3058

■ 1.3962, 0.1650,
0.2224

■ 168.1216, 0.2784,
0.3075

■ 0.2139, 0.0000,
0.1219

■ 207.4029, 0.2807,

■ 0.0000, 0.0000,

0.3090

0.0000

252.3705, 0.2827,
0.3103

■ 30.3234, 0.2532,
0.2905

■ 30.3234, 0.2532,
0.2905

■ 27.3088, 0.2393,
0.2788

■ 33.6761, 0.2679,
0.3015

■ 24.6130, 0.2266,
0.2665

■ 37.3779, 0.2831,
0.3117

■ 22.2196, 0.2155,
0.2538

■ 41.4437, 0.2984,
0.3210

■ 20.1090, 0.2062,
0.2409

■ 45.8862, 0.3135,
0.3294

■ 18.2584, 0.1989,
0.2281

■ 50.7174, 0.3284,
0.3370

■ 16.6250, 0.1933,
0.2155

■ 55.9488, 0.3428,
0.3437

■ 16.5385, 0.1930,
0.2149

■ 61.5912, 0.3566,
0.3497

■ 67.6552, 0.3697,
0.3549

■ 70.9959, 0.3695,
0.3609

Harmonies

Analogous

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



30.3234, 0.2563, 0.3151



30.3234, 0.2532, 0.2905



30.3234, 0.2649, 0.2776

Triad

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



30.3234, 0.2532, 0.2905



30.3234, 0.3522, 0.3118



30.3234, 0.3340, 0.3860

Complementary

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



30.3234, 0.2532, 0.2905



27.5678, 0.3956, 0.3640

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.



30.3234, 0.3613, 0.3817



30.3234, 0.2532, 0.2905



30.3234, 0.3726, 0.3380

Square

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



30.3234, 0.2532, 0.2905



30.3234, 0.3212, 0.2903



30.3234, 0.3758, 0.3635



30.3234, 0.3019, 0.3728

Rectangle

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



30.3234, 0.2532, 0.2905



30.3234, 0.2800, 0.2764



30.3234, 0.3758, 0.3635



30.3234, 0.3441, 0.3864

Sweetspot

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



30.3246, 0.2532, 0.2905



73.0626, 0.2941, 0.3185



37.5693, 0.2907, 0.4070



15.5854, 0.2922, 0.3174



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290

Same Dimension

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



30.3246, 0.2532, 0.2905



50.3860, 0.2415, 0.2807



20.1745, 0.2442, 0.2306



9.1385, 0.2986, 0.3211



11.6733, 0.1934, 0.2164



0.4699, 0.2032, 0.2515

Inverse Universe

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



23.0352, 0.3456, 0.2629



36.1425, 0.3553, 0.2493



38.8653, 0.3766, 0.4110



8.5970, 0.3187, 0.3140



7.7186, 0.4271, 0.2127



0.2532, 0.3908, 0.1926

Previews

White Background



This preview shows how the Yxy color 30.3234, 0.2532, 0.2905 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 30.3234, 0.2532, 0.2905 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

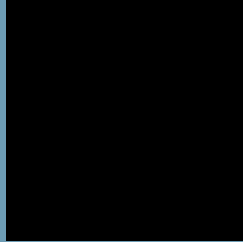
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

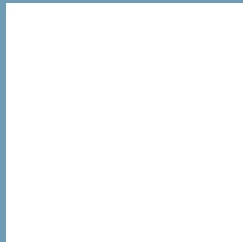
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 30.3234, 0.2532, 0.2905

Background



This preview shows how black text looks on a background with the Yxy color 30.3234, 0.2532, 0.2905.



This preview shows how white text looks on a background with the Yxy color 30.3234, 0.2532, 0.2905.

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

30.3234, 0.2532, 0.2905

Protanopia

30.1651, 0.2853, 0.2895

Deuteranopia

30.1382, 0.2813, 0.2756



Tritanopia

30.4202, 0.2584, 0.3091

Trichromacy



Original Color

30.3234, 0.2532, 0.2905

Protanomaly

30.0931, 0.2724, 0.2901

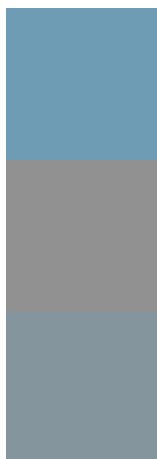
Deuteranomaly

30.1354, 0.2701, 0.2815

Tritanomaly

30.2957, 0.2561, 0.3012

Monochromacy



Original Color

30.3234, 0.2532, 0.2905

Achromatopsia

28.3149, 0.3127, 0.3290

Achromatomaly

28.8690, 0.2879, 0.3144

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.3234, 0.2532, 0.2905 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(109, 156, 180)` looks like.

```
.text, #text, p{  
    color:rgb(109, 156, 180)  
}
```

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(109, 156, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 156, 180) }
```

Border

The CSS property to change the border of an element to Yxy 30.3234, 0.2532, 0.2905 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(109, 156, 180) }
```

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

```
.border{ border-color:rgb(109, 156, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(109, 156, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(109, 156, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(109, 156, 180);  
box-shadow:4px 4px 4px 4px rgb(109, 156,  
180) }
```


Background

The CSS property to change the background color of an element to Yxy 30.3234, 0.2532, 0.2905 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 156, 180) }
```

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

```
.background{ background-color: rgb(109,  
156, 180) }
```

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