

Converting Colors

$Y_{xy}(29.2764, 0.3175, 0.4790)$

Have a look what the booklet for
Yxy(29.2764, 0.3175, 0.4790)
contains.

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Color

Yxy(29.2753, 0.3176, 0.4792)

Conversions

Conversions Part 1

Format	Color
Hex	60A351
RGB	96, 163, 81
RGB Percent	38%, 64%, 32%
CMY	0.6237, 0.3607, 0.6823
CMYK	0.41, 0.00, 0.50, 0.36
HSL	109°, 34%, 48%
HSV	109°, 50%, 64%
XYZ	19.4028, 29.2753, 12.4139
YIQ	133.6190, -13.6100, -39.7060

Conversions

Conversions Part 2

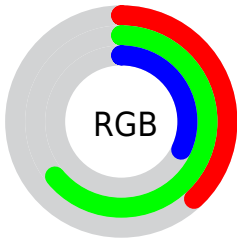
Format	Color
R_{YB}	81, 163, 148
Decimal	6333265
CIE _{Lab}	61.02, -37.59, 35.82
CIE _{LCh}	61, 51.927, 136.384
Yxy	29.2753, 0.3176, 0.4792
Android (android.graphics.Color)	4284523345 (0xFF60A351)
YUV	133.6190, -25.9412, -32.9919
Hunter-Lab	54.1067, -30.6759, 24.2715

Details

The Yxy color **29.2753, 0.3176, 0.4792** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **14.8329, 0.2984, 0.2032**, and the grayscale version is **23.7908, 0.3127, 0.3290**.

A 20% lighter version of the original color is **58.2928, 0.3192, 0.4450**, and **11.9654, 0.3111, 0.5395** is the 20% darker color. If you saturate the color by 10%, you get **28.3982, 0.3168, 0.5118**, and if you desaturate by 10%, it is **30.3361, 0.3176, 0.4458**.

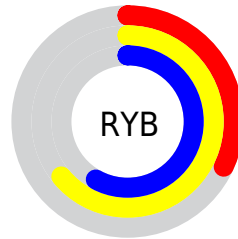
Distribution



Red (38%)

Green (64%)

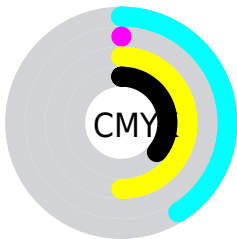
Blue (32%)



Red (32%)

Yellow (64%)

Blue (58%)

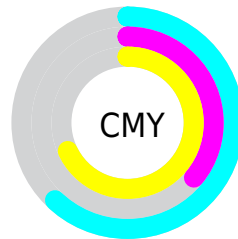


Cyan (41%)

Magenta (0%)

Yellow (50%)

Black (36%)



Cyan (62%)


Magenta (36%)

Yellow (68%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.2753, 0.3176, 0.4792 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 29.2753, 0.3176, 0.4792 by changing the saturation by 10% instead.


 29.2753, 0.3176,
0.4792


 29.2753, 0.3176,
0.4792


298.5117, 0.3186,
0.3937


 19.2892, 0.3154,
0.5042


 58.5142, 0.3192,
0.4454


 11.8794, 0.3110,
0.5384


 78.5358, 0.3193,
0.4336


 6.6616, 0.3016,
0.5872


 102.6713, 0.3193,
0.4239

 3.2514, 0.2961,
0.6975

 131.3051, 0.3193,
0.4158

 1.2643, 0.1608,
0.8392

 164.8217, 0.3191,
0.4090

 0.1133, 0.0000,
1.0000

203.6054, 0.3189,

 0.0000, 0.0000,

0.4031

0.0000

248.0406, 0.3188,
0.3981

■ 29.2753, 0.3176,
0.4792

■ 29.2753, 0.3176,
0.4792

■ 28.3982, 0.3168,
0.5118

■ 30.3361, 0.3176,
0.4458

■ 27.6908, 0.3151,
0.5414

■ 31.5866, 0.3170,
0.4132

■ 27.1426, 0.3126,
0.5660

■ 33.0369, 0.3158,
0.3827

■ 26.7406, 0.3094,
0.5837

■ 34.6954, 0.3144,
0.3548

■ 26.4697, 0.3063,
0.5950

■ 36.5698, 0.3128,
0.3297

■ 38.6677, 0.3110,
0.3076

■ 40.9961, 0.3093,
0.2881

■ 43.5618, 0.3076,
0.2711

■ 46.3713, 0.3059,
0.2563

Harmonies

Analogous

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



29.2753, 0.3961, 0.4771



29.2753, 0.3176, 0.4792



29.2753, 0.2420, 0.4176

Triad

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



29.2753, 0.3176, 0.4792



29.2753, 0.1803, 0.2123



29.2753, 0.4500, 0.3113

Complementary

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



29.2753, 0.3176, 0.4792



14.8329, 0.2984, 0.2032

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.



29.2753, 0.3754, 0.2583



29.2753, 0.3176, 0.4792



29.2753, 0.2202, 0.2035

Square

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



29.2753, 0.3176, 0.4792



29.2753, 0.1698, 0.2516



29.2753, 0.2888, 0.2203



29.2753, 0.4798, 0.3712

Rectangle

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



29.2753, 0.3176, 0.4792



29.2753, 0.2038, 0.3559



29.2753, 0.2888, 0.2203



29.2753, 0.4288, 0.2925

Sweetspot

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



29.2765, 0.3176, 0.4792



60.6036, 0.3151, 0.3683



29.5543, 0.3951, 0.4296



13.4791, 0.3154, 0.3739



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.



29.2765, 0.3176, 0.4792



50.7385, 0.3167, 0.5143



29.0088, 0.2873, 0.4353



7.9543, 0.3142, 0.3520



20.5841, 0.3067, 0.5947



0.4488, 0.3279, 0.5779

Inverse Universe

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



14.8329, 0.2984, 0.2032



21.9351, 0.2939, 0.1794



15.4811, 0.3552, 0.2437



7.1366, 0.3110, 0.3066



5.9672, 0.2760, 0.1294



0.1414, 0.2934, 0.1390

Previews

White Background



This preview shows how the Yxy color 29.2753, 0.3176, 0.4792 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 29.2753, 0.3176, 0.4792 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

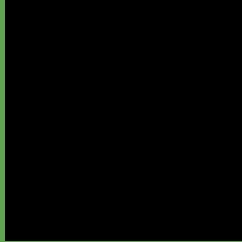
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 29.2753, 0.3176, 0.4792

Background



This preview shows how black text looks on a background with the Yxy color 29.2753, 0.3176, 0.4792.



This preview shows how white text looks on a background with the Yxy color 29.2753, 0.3176, 0.4792.

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

29.2753, 0.3176, 0.4792

Protanopia

29.0568, 0.3999, 0.4368

Deuteranopia

28.9093, 0.4125, 0.4048



Tritanopia

29.2439, 0.2641, 0.3090

Trichromacy



Original Color

29.2753, 0.3176, 0.4792

Protanomaly

28.7216, 0.3668, 0.4539

Deuteranomaly

28.1316, 0.3743, 0.4307

Tritanomaly

28.9274, 0.2846, 0.3679

Monochromacy



Original Color

29.2753, 0.3176, 0.4792

Achromatopsia

23.8398, 0.3127, 0.3290

Achromatomaly

25.4817, 0.3154, 0.3833

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.2753, 0.3176, 0.4792 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(96, 163, 81)` looks like.

```
.text, #text, p{  
    color:rgb(96, 163, 81)  
}
```

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(96, 163, 81) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(96, 163, 81) }
```

Border

The CSS property to change the border of an element to Yxy 29.2753, 0.3176, 0.4792 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(96, 163, 81) }
```

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

```
.border{ border-color:rgb(96, 163, 81) }
```

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

Here you see how a box with a 4 pixel rgb(96, 163, 81) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(96, 163, 81); -webkit-box-  
shadow:4px 4px 4px 4px rgb(96, 163, 81);  
box-shadow:4px 4px 4px 4px rgb(96, 163,  
81) }
```


Background

The CSS property to change the background color of an element to Yxy 29.2753, 0.3176, 0.4792 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(96, 163, 81) }
```

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

```
.background{ background-color: rgb(96, 163,  
81) }
```

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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