

Converting Colors

$Yxy(27.7553, 0.3461, 0.5253)$

Have a look what the booklet for
Yxy(27.7553, 0.3461, 0.5253)
contains.

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Color

Yxy(27.8029, 0.3464, 0.5254)

Conversions

Conversions Part 1

Format	Color
Hex	669F2C
RGB	102, 159, 44
RGB Percent	40%, 62%, 17%
CMY	0.6001, 0.3764, 0.8274
CMYK	0.36, 0.00, 0.72, 0.38
HSL	90°, 57%, 40%
HSV	90°, 72%, 62%
XYZ	18.3307, 27.8029, 6.7840
YIQ	128.8470, 2.9430, -47.8490

Conversions

Conversions Part 2

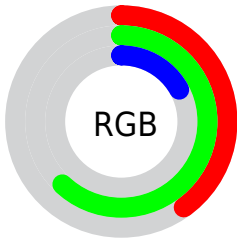
Format	Color
RYB	44, 159, 101
Decimal	6725420
CIELab	59.71, -37.46, 51.25
CIELCh	60, 63.477, 126.164
Yxy	27.8029, 0.3464, 0.5254
Android (android.graphics.Color)	4284915500 (0xFF669F2C)
YUV	128.8470, -41.8296, -23.5448
Hunter-Lab	52.7285, -30.2206, 29.2817

Details

The Yxy color $27.8029, 0.3464, 0.5254$ is a dark color, and the websafe version is hex 669933 . A complement of this color would be $7.0747, 0.2359, 0.1332$, and the grayscale version is $22.0445, 0.3127, 0.3290$.

A 20% lighter version of the original color is $56.1243, 0.3450, 0.4827$, and $11.1197, 0.3322, 0.5745$ is the 20% darker color. If you saturate the color by 10%, you get $27.2676, 0.3450, 0.5457$, and if you desaturate by 10%, it is $28.4302, 0.3457, 0.5008$.

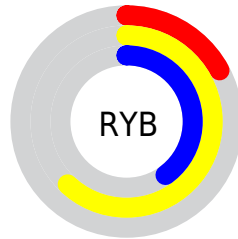
Distribution



Red (40%)

Green (62%)

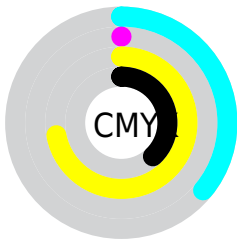
Blue (17%)



Red (17%)

Yellow (62%)

Blue (40%)

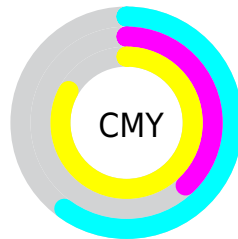


Cyan (36%)

Magenta (0%)

Yellow (72%)

Black (38%)



Cyan (60%)


Magenta (38%)


Yellow (83%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.8029, 0.3464, 0.5254 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 27.8029, 0.3464, 0.5254 by changing the saturation by 10% instead.


 27.8029, 0.3464,
0.5254


 27.8029, 0.3464,
0.5254


291.5239, 0.3355,
0.4149


 18.1771, 0.3450,
0.5556


 56.1696, 0.3449,
0.4828

 11.0772, 0.3398,
0.5945


 75.6793, 0.3435,
0.4675


 6.1188, 0.3355,
0.6645

 99.2525, 0.3420,
0.4548

 2.9175, 0.2917,
0.7083

 127.2735, 0.3405,
0.4442

 1.0888, 0.0897,
0.9103

 160.1268, 0.3391,
0.4352

 0.0000, 0.0000,
0.0000

 198.1967, 0.3378,

0.4274

241.8676, 0.3366,
0.4207

■ 27.8029, 0.3464,
0.5254

■ 27.8029, 0.3464,
0.5254

■ 27.2676, 0.3450,
0.5457

■ 28.4302, 0.3457,
0.5008

■ 26.8140, 0.3414,
0.5609

■ 29.1519, 0.3431,
0.4732

■ 26.5107, 0.3379,
0.5699

■ 29.9743, 0.3389,
0.4442

■ 30.9022, 0.3335,
0.4149

■ 31.9400, 0.3274,
0.3865

■ 33.0919, 0.3209,
0.3595

■ 34.3617, 0.3143,
0.3345

■ 35.7532, 0.3077,
0.3116

■ 37.2698, 0.3013,
0.2909

Harmonies

Analogous

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



27.8029, 0.4369, 0.4897



27.8029, 0.3464, 0.5254



27.8029, 0.2523, 0.4778

Triad

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



27.8029, 0.3464, 0.5254



27.8029, 0.1479, 0.1989



27.8029, 0.4560, 0.2823

Complementary

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



27.8029, 0.3464, 0.5254



7.0747, 0.2359, 0.1332

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.



27.8029, 0.3516, 0.2263



27.8029, 0.3464, 0.5254



27.8029, 0.1817, 0.1797

Square

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



27.8029, 0.3464, 0.5254



27.8029, 0.1463, 0.2571



27.8029, 0.2505, 0.1902



27.8029, 0.5135, 0.3488

Rectangle

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



27.8029, 0.3464, 0.5254



27.8029, 0.2003, 0.4027



27.8029, 0.2505, 0.1902



27.8029, 0.4240, 0.2620

Sweetspot

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



27.8041, 0.3464, 0.5254



57.1772, 0.3275, 0.3867



16.5900, 0.4767, 0.4103



12.7804, 0.3291, 0.3938



80.7346, 0.3127, 0.3290



13.9985, 0.3127, 0.3290

Same Dimension

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



27.8041, 0.3464, 0.5254



48.2985, 0.3430, 0.5560



25.5597, 0.3031, 0.5542



7.5571, 0.3189, 0.3516



20.9620, 0.3386, 0.5694



0.4000, 0.3698, 0.5445

Inverse Universe

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



7.0747, 0.2359, 0.1332



8.9708, 0.2154, 0.1028



11.4829, 0.3171, 0.1727



6.5887, 0.3061, 0.3064



3.3098, 0.2035, 0.0895



0.0843, 0.2486, 0.1143

Previews

White Background



This preview shows how the Yxy color 27.8029, 0.3464, 0.5254 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 27.8029, 0.3464, 0.5254 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 27.8029, 0.3464, 0.5254

Background



This preview shows how black text looks on a background with the Yxy color 27.8029, 0.3464, 0.5254.



This preview shows how white text looks on a background with the Yxy color 27.8029, 0.3464, 0.5254.

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

27.8029, 0.3464, 0.5254

Protanopia

27.6768, 0.4264, 0.4710

Deuteranopia

27.4491, 0.4473, 0.4380



Tritanopia

27.5694, 0.2734, 0.3088

Trichromacy



Original Color

27.8029, 0.3464, 0.5254

Protanomaly

27.2304, 0.3965, 0.4916

Deuteranomaly

26.7561, 0.4088, 0.4692

Tritanomaly

27.2092, 0.3040, 0.3906

Monochromacy



Original Color

27.8029, 0.3464, 0.5254

Achromatopsia

21.9526, 0.3127, 0.3290

Achromatomaly

23.5599, 0.3318, 0.4073

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.8029, 0.3464, 0.5254 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(102, 159, 44)` looks like.

```
.text, #text, p{  
    color:rgb(102, 159, 44)  
}
```

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(102, 159, 44) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 159, 44) }
```

Border

The CSS property to change the border of an element to Yxy 27.8029, 0.3464, 0.5254 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(102, 159, 44) }
```

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

```
.border{ border-color:rgb(102, 159, 44) }
```

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

Here you see how a box with a 4 pixel rgb(102, 159, 44) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 159, 44); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 159, 44);  
box-shadow:4px 4px 4px 4px rgb(102, 159,  
44) }
```


Background

The CSS property to change the background color of an element to Yxy 27.8029, 0.3464, 0.5254 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 159, 44) }
```

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

```
.background{ background-color: rgb(102,  
159, 44) }
```

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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