

Converting Colors

$Yxy(29.5656, 0.3225, 0.4759)$

Have a look what the booklet for
Yxy(29.5656, 0.3225, 0.4759)
contains.

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Color

Yxy(29.6132, 0.3230, 0.4767)

Conversions

Conversions Part 1

Format	Color
Hex	66A351
RGB	102, 163, 81
RGB Percent	40%, 64%, 32%
CMY	0.5998, 0.3608, 0.6823
CMYK	0.37, 0.00, 0.50, 0.36
HSL	105°, 34%, 48%
HSV	105°, 50%, 64%
XYZ	20.0652, 29.6132, 12.4429
YIQ	135.4130, -10.0340, -38.4340

Conversions

Conversions Part 2

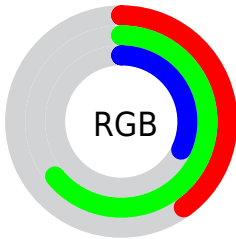
Format	Color
R_{YB}	81, 163, 142
Decimal	6726481
CIE _{Lab}	61.32, -35.55, 36.25
CIE _{LCh}	61, 50.778, 134.442
Y _{xy}	29.6132, 0.3230, 0.4767
Android (android.graphics.Color)	4284916561 (0xFF66A351)
YUV	135.4130, -26.8256, -29.3032
Hunter-Lab	54.4180, -29.4145, 24.5357

Details

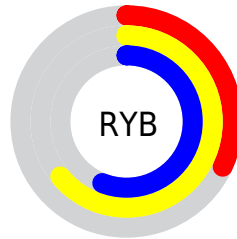
The Yxy color **29.6132, 0.3230, 0.4767** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **14.2765, 0.2904, 0.2003**, and the grayscale version is **24.4983, 0.3127, 0.3290**.

A 20% lighter version of the original color is **58.8767, 0.3235, 0.4435**, and **12.1261, 0.3182, 0.5350** is the 20% darker color. If you saturate the color by 10%, you get **28.7412, 0.3228, 0.5084**, and if you desaturate by 10%, it is **30.6499, 0.3221, 0.4442**.

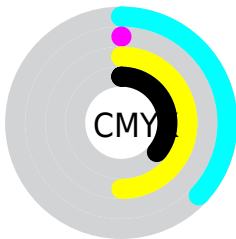
Distribution



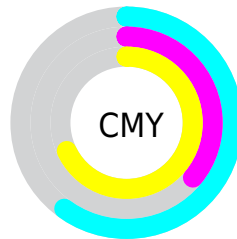
- Red (40%)
- Green (64%)
- Blue (32%)



- Red (32%)
- Yellow (64%)
- Blue (56%)



- Cyan (37%)
- Magenta (0%)
- Yellow (50%)
- Black (36%)





- Cyan (60%)
- Magenta (36%)
- Yellow (68%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.6132, 0.3230, 0.4767 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 29.6132, 0.3230, 0.4767 by changing the saturation by 10% instead.


 29.6132, 0.3230,
0.4767


 29.6132, 0.3230,
0.4767


300.0973, 0.3210,
0.3930

 19.5452, 0.3217,
0.5010


 59.0499, 0.3234,
0.4438

 12.0649, 0.3184,
0.5340


 79.1874, 0.3232,
0.4322


 6.7879, 0.3107,
0.5808


 103.4502, 0.3228,
0.4227

 3.3298, 0.3078,
0.6850

 132.2227, 0.3225,
0.4148

 1.3062, 0.1983,
0.8017

 165.8893, 0.3221,
0.4081

 0.1460, 0.0000,
1.0000

204.8343, 0.3217,

 0.0000, 0.0000,

0.4023

0.0000

249.4422, 0.3213,
0.3974

■ 29.6132, 0.3230,
0.4767

■ 29.6132, 0.3230,
0.4767

■ 28.7412, 0.3228,
0.5084

■ 30.6499, 0.3221,
0.4442

■ 28.0215, 0.3215,
0.5373

■ 31.8556, 0.3204,
0.4123

■ 27.4455, 0.3188,
0.5615

■ 33.2391, 0.3182,
0.3823

■ 27.0025, 0.3151,
0.5793

■ 34.8074, 0.3156,
0.3547

■ 26.6817, 0.3112,
0.5911

■ 36.5670, 0.3128,
0.3297

■ 38.5244, 0.3100,
0.3075

■ 40.6854, 0.3072,
0.2878

■ 43.0559, 0.3044,
0.2705

■ 45.6414, 0.3018,
0.2554

Harmonies

Analogous

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



29.6132, 0.3992, 0.4717



29.6132, 0.3230, 0.4767



29.6132, 0.2482, 0.4205

Triad

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



29.6132, 0.3230, 0.4767



29.6132, 0.1815, 0.2165



29.6132, 0.4428, 0.3083

Complementary

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



29.6132, 0.3230, 0.4767



14.2765, 0.2904, 0.2003

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.



29.6132, 0.3684, 0.2570



29.6132, 0.3230, 0.4767



29.6132, 0.2189, 0.2059

Square

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



29.6132, 0.3230, 0.4767



29.6132, 0.1731, 0.2573



29.6132, 0.2845, 0.2208



29.6132, 0.4755, 0.3670

Rectangle

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



29.6132, 0.3230, 0.4767



29.6132, 0.2095, 0.3613



29.6132, 0.2845, 0.2208



29.6132, 0.4213, 0.2900

Sweetspot

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



29.6145, 0.3230, 0.4767



60.9010, 0.3169, 0.3681



27.4689, 0.4001, 0.4206



13.5530, 0.3174, 0.3737



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.



29.6145, 0.3230, 0.4767



51.3614, 0.3228, 0.5109



28.8654, 0.2922, 0.4487



7.9788, 0.3153, 0.3520



20.7567, 0.3117, 0.5907



0.4573, 0.3380, 0.5699

Inverse Universe

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



14.2765, 0.2904, 0.2003



20.7712, 0.2836, 0.1749



15.6808, 0.3449, 0.2344



7.1103, 0.3098, 0.3066



5.2469, 0.2579, 0.1195



0.1308, 0.2821, 0.1328

Previews

White Background



This preview shows how the Yxy color 29.6132, 0.3230, 0.4767 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 29.6132, 0.3230, 0.4767 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

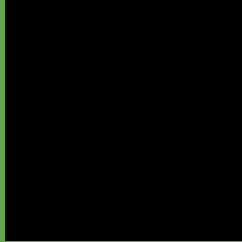
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 29.6132, 0.3230, 0.4767

Background



This preview shows how black text looks on a background with the Yxy color 29.6132, 0.3230, 0.4767.



This preview shows how white text looks on a background with the Yxy color 29.6132, 0.3230, 0.4767.

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

29.6132, 0.3230, 0.4767

Protanopia

29.1758, 0.4002, 0.4350

Deuteranopia

29.3216, 0.4129, 0.4058



Tritanopia

29.6463, 0.2689, 0.3093

Trichromacy



Original Color

29.6132, 0.3230, 0.4767

Protanomaly

28.9952, 0.3694, 0.4509

Deuteranomaly

28.7301, 0.3771, 0.4308

Tritanomaly

29.3080, 0.2897, 0.3674

Monochromacy



Original Color

29.6132, 0.3230, 0.4767

Achromatopsia

24.2281, 0.3127, 0.3290

Achromatomaly

25.6996, 0.3186, 0.3828

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.6132, 0.3230, 0.4767 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, 163, 81)` looks like.

```
.text, #text, p{  
    color:rgb(102, 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(102, 163, 81) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 163, 81) }
```

Border

The CSS property to change the border of an element to Yxy 29.6132, 0.3230, 0.4767 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, 163, 81) }
```

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

```
.border{ border-color:rgb(102, 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(102, 163, 81)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 163, 81); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 163, 81);  
box-shadow:4px 4px 4px 4px rgb(102, 163,  
81) }
```


Background

The CSS property to change the background color of an element to Yxy 29.6132, 0.3230, 0.4767 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 163, 81) }
```

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

```
.background{ background-color: rgb(102,  
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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