

Converting Colors

$Y_{xy}(12.1602, 0.3051, 0.5193)$

Have a look what the booklet for
Yxy(12.1602, 0.3051, 0.5193)
contains.

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Color

$Y_{xy}(12.2620, 0.3055, 0.5209)$

Conversions

Conversions Part 1

Format	Color
Hex	2B7029
RGB	43, 112, 41
RGB Percent	17%, 44%, 16%
CMY	0.8313, 0.5608, 0.8392
CMYK	0.62, 0.00, 0.63, 0.56
HSL	118°, 46%, 30%
HSV	118°, 63%, 44%
XYZ	7.1915, 12.2620, 4.0865
YIQ	83.2750, -18.3330, -36.7090

Conversions

Conversions Part 2

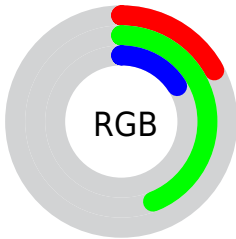
Format	Color
R_{YB}	41, 112, 110
Decimal	2846761
CIE _{Lab}	41.63, -36.93, 32.40
CIE _{LCh}	42, 49.125, 138.736
Yxy	12.2620, 0.3055, 0.5209
Android (android.graphics.Color)	4281036841 (0xFF2B7029)
YUV	83.2750, -20.8416, -35.3212
Hunter-Lab	35.0171, -24.6214, 17.5928

Details

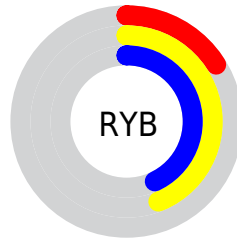
The Yxy color **12.2620, 0.3055, 0.5209** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **6.0709, 0.3153, 0.1886**, and the grayscale version is **8.7569, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.1729, 0.3126, 0.4673**, and **3.5550, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **11.9904, 0.3040, 0.5501**, and if you desaturate by 10%, it is **12.6198, 0.3070, 0.4883**.

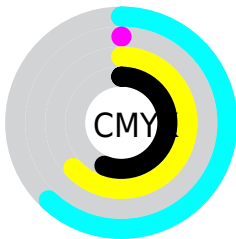
Distribution



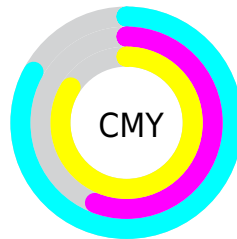
- Red (17%)
- Green (44%)
- Blue (16%)



- Red (16%)
- Yellow (44%)
- Blue (43%)



- Cyan (62%)
- Magenta (0%)
- Yellow (63%)
- Black (56%)





- Cyan (83%)
- Magenta (56%)
- Yellow (84%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.2620, 0.3055, 0.5209 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 12.2620, 0.3055, 0.5209 by changing the saturation by 10% instead.


 12.2620, 0.3055,
0.5209


 12.2620, 0.3055,
0.5209


206.1322, 0.3155,
0.3971


 6.9224, 0.2969,
0.5663


 29.9714, 0.3122,
0.4666


 3.4136, 0.2847,
0.6502

 43.1099, 0.3136,
0.4493


 1.3513, 0.1926,
0.8074

 59.6169, 0.3144,
0.4357

 0.1804, 0.0000,
1.0000

 79.8768, 0.3149,
0.4249

 0.0000, 0.0000,
0.0000

 104.2738, 0.3152,
0.4161

 133.1924, 0.3154,

0.4087

167.0171, 0.3154,
0.4025

■ 12.2620, 0.3055,
0.5209

■ 12.2620, 0.3055,
0.5209

■ 11.9904, 0.3040,
0.5501

■ 12.6198, 0.3070,
0.4883

■ 11.7962, 0.3026,
0.5735

■ 13.0684, 0.3084,
0.4545

■ 11.6715, 0.3014,
0.5898

■ 13.6140, 0.3097,
0.4214

■ 11.6087, 0.3011,
0.5991

■ 14.2619, 0.3108,
0.3904

■ 15.0170, 0.3117,
0.3621

■ 15.8837, 0.3125,
0.3368

■ 16.8664, 0.3131,
0.3146

■ 17.9690, 0.3136,
0.2953

■ 19.1956, 0.3140,
0.2785

Harmonies

Analogous

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



12.2620, 0.4015, 0.5143



12.2620, 0.3055, 0.5209



12.2620, 0.2164, 0.4347

Triad

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



12.2620, 0.3055, 0.5209



12.2620, 0.1561, 0.1849



12.2620, 0.4911, 0.3088

Complementary

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



12.2620, 0.3055, 0.5209



6.0709, 0.3153, 0.1886

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.



12.2620, 0.3991, 0.2467



12.2620, 0.3055, 0.5209



12.2620, 0.2046, 0.1789

Square

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



12.2620, 0.3055, 0.5209



12.2620, 0.1409, 0.2255



12.2620, 0.2893, 0.2008



12.2620, 0.5195, 0.3783

Rectangle

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



12.2620, 0.3055, 0.5209



12.2620, 0.1738, 0.3511



12.2620, 0.2893, 0.2008



12.2620, 0.4659, 0.2869

Sweetspot

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



12.2625, 0.3055, 0.5209



25.5473, 0.3112, 0.3790



14.6778, 0.3998, 0.4650



6.0681, 0.3110, 0.3856



58.7016, 0.3127, 0.3290



6.8385, 0.3127, 0.3290

Same Dimension

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



12.2625, 0.3055, 0.5209



20.8909, 0.3033, 0.5617



12.5562, 0.2740, 0.4328



3.7673, 0.3121, 0.3506



13.4188, 0.3010, 0.5992



66.7810, 0.3004, 0.5997

Inverse Universe

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



6.0709, 0.3153, 0.1886



9.0209, 0.3151, 0.1679



5.5941, 0.3955, 0.2491



3.4489, 0.3133, 0.3082



5.0968, 0.3141, 0.1504



25.3233, 0.3137, 0.1502

Previews

White Background



This preview shows how the Yxy color 12.2620, 0.3055, 0.5209 looks on a white 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

Black Background



This preview shows how the Yxy color 12.2620, 0.3055, 0.5209 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

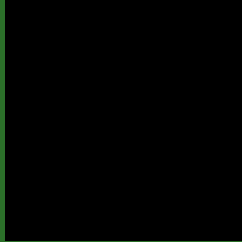
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 12.2620, 0.3055, 0.5209

Background



This preview shows how black text looks on a background with the Yxy color 12.2620, 0.3055, 0.5209.



This preview shows how white text looks on a background with the Yxy color 12.2620, 0.3055, 0.5209.

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

12.2620, 0.3055, 0.5209

Protanopia

12.1201, 0.4133, 0.4550

Deuteranopia

12.0989, 0.4277, 0.4203



Tritanopia

12.2561, 0.2498, 0.3094

Trichromacy



Original Color

12.2620, 0.3055, 0.5209

Protanomaly

11.7717, 0.3674, 0.4834

Deuteranomaly

11.6310, 0.3758, 0.4579

Tritanomaly

12.1975, 0.2713, 0.3845

Monochromacy



Original Color

12.2620, 0.3055, 0.5209

Achromatopsia

8.6500, 0.3127, 0.3290

Achromatomaly

9.6517, 0.3093, 0.4018

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.2620, 0.3055, 0.5209 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(43, 112, 41)` looks like.

```
.text, #text, p{  
    color:rgb(43, 112, 41)  
}
```

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(43, 112, 41) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(43, 112, 41) }
```

Border

The CSS property to change the border of an element to Yxy 12.2620, 0.3055, 0.5209 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(43, 112, 41) }
```

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

```
.border{ border-color:rgb(43, 112, 41) }
```

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

Here you see how a box with a 4 pixel `rgb(43, 112, 41)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(43, 112, 41); -webkit-box-  
shadow:4px 4px 4px 4px rgb(43, 112, 41);  
box-shadow:4px 4px 4px 4px rgb(43, 112,  
41) }
```


Background

The CSS property to change the background color of an element to Yxy 12.2620, 0.3055, 0.5209 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(43, 112, 41) }
```

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

```
.background{ background-color: rgb(43, 112,  
41) }
```

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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