

Converting Colors

$Yxy(23.2148, 0.2761, 0.5139)$

Have a look what the booklet for
Yxy(23.2148, 0.2761, 0.5139)
contains.

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Color

Yxy(23.2121, 0.2762, 0.5143)

Conversions

Conversions Part 1

Format	Color
Hex	009945
RGB	0, 153, 69
RGB Percent	0%, 60%, 27%
CMY	0.9999, 0.4000, 0.7294
CMYK	1.00, 0.00, 0.55, 0.40
HSL	147°, 100%, 30%
HSV	147°, 100%, 60%
XYZ	12.4658, 23.2121, 9.4554
YIQ	97.6770, -64.2240, -58.5600

Conversions

Conversions Part 2

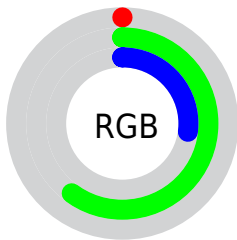
Format	Color
RYB	0, 105, 153
Decimal	39237
CIELab	55.29, -53.25, 34.35
CIELCh	55, 63.364, 147.176
Yxy	23.2121, 0.2762, 0.5143
Android (android.graphics.Color)	4278229317 (0xFF009945)
YUV	97.6770, -14.1378, -85.6627
Hunter-Lab	48.1789, -38.1280, 22.0892

Details

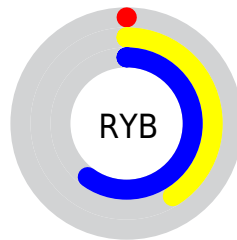
The Yxy color **23.2121, 0.2762, 0.5143** is a dark color, and the websafe version is hex **009933**. A complement of this color would be **7.4132, 0.4724, 0.2376**, and the grayscale version is **12.1797, 0.3127, 0.3290**.

A 20% lighter version of the original color is **48.9591, 0.2881, 0.4692**, and **9.1648, 0.2921, 0.5717** is the 20% darker color. If you saturate the color by 10%, you get **23.2127, 0.2762, 0.5143**, and if you desaturate by 10%, it is **23.4290, 0.2737, 0.4952**.

Distribution



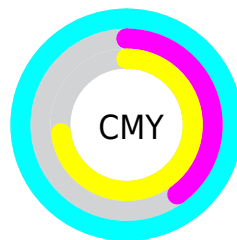
- Red (0%)
- Green (60%)
- Blue (27%)



- Red (0%)
- Yellow (41%)
- Blue (60%)



- Cyan (100%)
- Magenta (0%)
- Yellow (55%)
- Black (40%)





- Cyan (100%)
- Magenta (40%)
- Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.2121, 0.2762, 0.5143 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 23.2121, 0.2762, 0.5143 by changing the saturation by 10% instead.


 23.2121, 0.2762,
0.5143


 23.2121, 0.2762,
0.5143

268.8125, 0.3016,
0.4030


 14.7502, 0.2660,
0.5499


 48.7414, 0.2878,
0.4684


 8.6443, 0.2498,
0.6006

 66.5775, 0.2914,
0.4529


 4.5099, 0.2225,
0.6800

 88.3072, 0.2941,
0.4405

 1.9627, 0.1360,
0.8640

 114.3148, 0.2963,
0.4302

 0.5857, 0.0000,
1.0000

 144.9848, 0.2980,
0.4217

 0.0000, 0.0000,
0.0000

 180.7014, 0.2994,

0.4145

221.8492, 0.3006,
0.4083

■ 23.2121, 0.2762,
0.5143

■ 23.2121, 0.2762,
0.5143

■ 23.2127, 0.2762,
0.5143

■ 23.4290, 0.2737,
0.4952

■ 23.7374, 0.2724,
0.4749

■ 24.1741, 0.2731,
0.4539

■ 24.7538, 0.2755,
0.4328

■ 25.4891, 0.2796,
0.4123

■ 26.3912, 0.2848,
0.3927

■ 27.4701, 0.2911,
0.3745

■ 28.7353, 0.2980,
0.3577

■ 30.1953, 0.3053,
0.3426

Harmonies

Analogous

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



23.2121, 0.3759, 0.5321



23.2121, 0.2762, 0.5143



23.2121, 0.1916, 0.4026

Triad

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



23.2121, 0.2762, 0.5143



23.2121, 0.1615, 0.1752



23.2121, 0.5145, 0.3266

Complementary

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



23.2121, 0.2762, 0.5143



7.4132, 0.4724, 0.2376

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.



23.2121, 0.4340, 0.2604



23.2121, 0.2762, 0.5143



23.2121, 0.2214, 0.1778

Square

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



23.2121, 0.2762, 0.5143



23.2121, 0.1367, 0.2053



23.2121, 0.3188, 0.2077



23.2121, 0.5215, 0.3993

Rectangle

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



23.2121, 0.2762, 0.5143



23.2121, 0.1558, 0.3167



23.2121, 0.3188, 0.2077



23.2121, 0.4950, 0.3036

Sweetspot

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



23.2130, 0.2762, 0.5143



49.0680, 0.2907, 0.3755



24.6754, 0.3446, 0.5646



10.6636, 0.2882, 0.3824



76.7769, 0.3127, 0.3290



12.5967, 0.3127, 0.3290

Same Dimension

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



23.2130, 0.2762, 0.5143



41.5339, 0.2772, 0.5178



24.8384, 0.2289, 0.3439



6.9696, 0.3058, 0.3415



19.1910, 0.2758, 0.5130



0.2941, 0.2536, 0.4330

Inverse Universe

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



7.4132, 0.4724, 0.2376



13.2369, 0.4762, 0.2397



6.7898, 0.6335, 0.3263



6.2766, 0.3202, 0.3169



6.1330, 0.4711, 0.2369



0.0990, 0.3941, 0.1944

Previews

White Background



This preview shows how the Yxy color 23.2121, 0.2762, 0.5143 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 23.2121, 0.2762, 0.5143 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 23.2121, 0.2762, 0.5143

Background



This preview shows how black text looks on a background with the Yxy color 23.2121, 0.2762, 0.5143.



This preview shows how white text looks on a background with the Yxy color 23.2121, 0.2762, 0.5143.

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

23.2121, 0.2762, 0.5143

Protanopia

22.9613, 0.4048, 0.4431

Deuteranopia

22.9171, 0.4138, 0.4077



Tritanopia

23.3075, 0.2342, 0.3060

Trichromacy



Original Color

23.2121, 0.2762, 0.5143



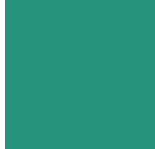
Protanomaly

21.4650, 0.3323, 0.4805



Deuteranomaly

20.9141, 0.3372, 0.4554



Tritanomaly

22.7347, 0.2467, 0.3772

Monochromacy



Original Color

23.2121, 0.2762, 0.5143



Achromatopsia

12.2139, 0.3127, 0.3290



Achromatomaly

14.6691, 0.2816, 0.4056

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.2121, 0.2762, 0.5143 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(0, 153, 69)` looks like.

```
.text, #text, p{  
    color:rgb(0, 153, 69)  
}
```

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(0, 153, 69) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 153, 69) }
```

Border

The CSS property to change the border of an element to Yxy 23.2121, 0.2762, 0.5143 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(0, 153, 69) }
```

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

```
.border{ border-color:rgb(0, 153, 69) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 153, 69)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 153, 69); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 153, 69);  
box-shadow:4px 4px 4px 4px rgb(0, 153, 69)  
}
```


Background

The CSS property to change the background color of an element to Yxy 23.2121, 0.2762, 0.5143 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 153, 69) }
```

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

```
.background{ background-color: rgb(0, 153,  
69) }
```

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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