

Converting Colors

$Yxy(23.0981, 0.2901, 0.5529)$

Have a look what the booklet for
Yxy(23.0981, 0.2901, 0.5529)
contains.

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Color

Yxy(23.0893, 0.2902, 0.5537)

Conversions

Conversions Part 1

Format	Color
Hex	0F992F
RGB	15, 153, 47
RGB Percent	6%, 60%, 18%
CMY	0.9412, 0.4000, 0.8156
CMYK	0.90, 0.00, 0.69, 0.40
HSL	134°, 82%, 33%
HSV	134°, 90%, 60%
XYZ	12.1013, 23.0893, 6.5094
YIQ	99.6540, -48.2220, -62.2220

Conversions

Conversions Part 2

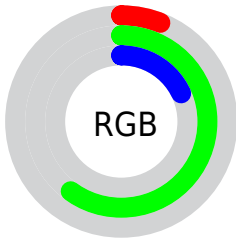
Format	Color
R_{YB}	15, 127, 153
Decimal	1022255
CIE _{Lab}	55.16, -55.21, 44.49
CIE _{LCh}	55, 70.904, 141.132
Yxy	23.0893, 0.2902, 0.5537
Android (android.graphics.Color)	4279212335 (0xFF0F992F)
YUV	99.6540, -25.9584, -74.2416
Hunter-Lab	48.0513, -39.1360, 25.6041

Details

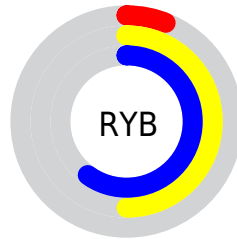
The Yxy color **23.0893, 0.2902, 0.5537** is a dark color, and the websafe version is hex **009933**. A complement of this color would be **8.4937, 0.3801, 0.1927**, and the grayscale version is **12.7275, 0.3127, 0.3290**.

A 20% lighter version of the original color is **48.7581, 0.3014, 0.4996**, and **9.1143, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **22.9078, 0.2922, 0.5721**, and if you desaturate by 10%, it is **23.3771, 0.2888, 0.5308**.

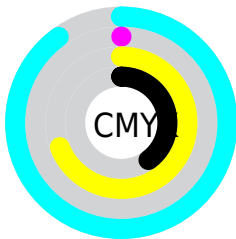
Distribution



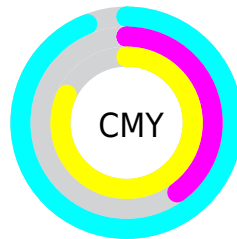
- Red (6%)
- Green (60%)
- Blue (18%)



- Red (6%)
- Yellow (50%)
- Blue (60%)



- Cyan (90%)
- Magenta (0%)
- Yellow (69%)
- Black (40%)



- Cyan (94%)
- Magenta (40%)
- Yellow (82%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.0893, 0.2902, 0.5537 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 23.0893, 0.2902, 0.5537 by changing the saturation by 10% instead.


 23.0893, 0.2902,
0.5537


 23.0893, 0.2902,
0.5537


268.1833, 0.3107,
0.4190

 14.6595, 0.2796,
0.5952


 48.5399, 0.3010,
0.4988


 8.5807, 0.2612,
0.6523


 66.3295, 0.3040,
0.4800


 4.4687, 0.2370,
0.7630

 88.0077, 0.3060,
0.4648

 1.9391, 0.1134,
0.8866

 113.9591, 0.3075,
0.4524

 0.5717, 0.0000,
1.0000

 144.5679, 0.3086,
0.4420

 0.0000, 0.0000,
0.0000

 180.2187, 0.3095,

0.4331

221.2957, 0.3102,
0.4256

■ 23.0893, 0.2902,
0.5537

■ 23.0893, 0.2902,
0.5537

■ 22.9078, 0.2922,
0.5721

■ 23.3771, 0.2888,
0.5308

■ 23.8035, 0.2887,
0.5045

■ 24.3852, 0.2900,
0.4764

■ 25.1361, 0.2924,
0.4479

■ 26.0682, 0.2956,
0.4201

■ 27.1926, 0.2995,
0.3940

■ 28.5195, 0.3038,
0.3701

■ 30.0582, 0.3082,
0.3485

■ 31.8176, 0.3126,
0.3294

Harmonies

Analogous

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



23.0893, 0.3981, 0.5438



23.0893, 0.2902, 0.5537



23.0893, 0.1932, 0.4425

Triad

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



23.0893, 0.2902, 0.5537



23.0893, 0.1403, 0.1646



23.0893, 0.5257, 0.3079

Complementary

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



23.0893, 0.2902, 0.5537



8.4937, 0.3801, 0.1927

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.



23.0893, 0.4227, 0.2399



23.0893, 0.2902, 0.5537



23.0893, 0.1956, 0.1619

Square

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



23.0893, 0.2902, 0.5537



23.0893, 0.1209, 0.2035



23.0893, 0.2937, 0.1881



23.0893, 0.5471, 0.3834

Rectangle

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



23.0893, 0.2902, 0.5537



23.0893, 0.1497, 0.3407



23.0893, 0.2937, 0.1881



23.0893, 0.4988, 0.2842

Sweetspot

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



23.0903, 0.2902, 0.5537



49.2954, 0.3006, 0.3874



27.0362, 0.3830, 0.5267



10.7329, 0.2994, 0.3951



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.



23.0903, 0.2902, 0.5537



40.9993, 0.2930, 0.5750



24.0975, 0.2500, 0.4120



6.9479, 0.3086, 0.3465



18.9366, 0.2919, 0.5709



0.2880, 0.2719, 0.4989

Inverse Universe

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



8.4937, 0.3801, 0.1927



14.4199, 0.3904, 0.1924



7.3811, 0.5471, 0.2889



6.2991, 0.3171, 0.3121



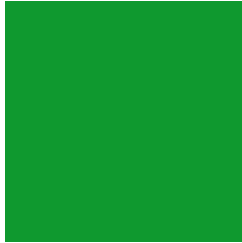
6.6736, 0.3882, 0.1912



0.1051, 0.3534, 0.1720

Previews

White Background



This preview shows how the Yxy color 23.0893, 0.2902, 0.5537 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 23.0893, 0.2902, 0.5537 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 23.0893, 0.2902, 0.5537

Background



This preview shows how black text looks on a background with the Yxy color 23.0893, 0.2902, 0.5537.



This preview shows how white text looks on a background with the Yxy color 23.0893, 0.2902, 0.5537.

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

23.0893, 0.2902, 0.5537

Protanopia

22.5957, 0.4235, 0.4657

Deuteranopia

22.7492, 0.4376, 0.4295



Tritanopia

23.1015, 0.2365, 0.3060

Trichromacy



Original Color

23.0893, 0.2902, 0.5537



Protanomaly

21.2923, 0.3551, 0.5103



Deuteranomaly

20.8362, 0.3630, 0.4844



Tritanomaly

22.7092, 0.2556, 0.3946

Monochromacy



Original Color

23.0893, 0.2902, 0.5537



Achromatopsia

12.7438, 0.3127, 0.3290



Achromatomaly

15.0529, 0.2949, 0.4214

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.0893, 0.2902, 0.5537 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(15, 153, 47)` looks like.

```
.text, #text, p{  
    color:rgb(15, 153, 47)  
}
```

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(15, 153, 47) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(15, 153, 47) }
```

Border

The CSS property to change the border of an element to Yxy 23.0893, 0.2902, 0.5537 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(15, 153, 47) }
```

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

```
.border{ border-color:rgb(15, 153, 47) }
```

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

Here you see how a box with a 4 pixel rgb(15, 153, 47) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(15, 153, 47); -webkit-box-  
shadow:4px 4px 4px 4px rgb(15, 153, 47);  
box-shadow:4px 4px 4px 4px rgb(15, 153,  
47) }
```


Background

The CSS property to change the background color of an element to Yxy 23.0893, 0.2902, 0.5537 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(15, 153, 47) }
```

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

```
.background{ background-color: rgb(15, 153,  
47) }
```

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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