

Converting Colors

$Yxy(30.2164, 0.2740, 0.5022)$

Have a look what the booklet for
Yxy(30.2164, 0.2740, 0.5022)
contains.

| | |
|------------------------------------------------|----|
| Yxy(30.2190, 0.2738, 0.5013) | 3 |
| <i>Conversions</i> | 4 |
| <i>Details</i> | 6 |
| <i>Harmonies</i> | 12 |
| <i>Previews</i> | 24 |
| <i>Color Blindness Simulation</i> | 27 |
| <i>CSS Examples</i> | 30 |

Color

$\text{Yxy}(30.2190, 0.2738, 0.5013)$

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 09AC55 |
| RGB | 9, 172, 85 |
| RGB Percent | 4%, 67%, 33% |
| CMY | 0.9646, 0.3255, 0.6667 |
| CMYK | 0.95, 0.00, 0.51, 0.33 |
| HSL | 148°, 90%, 35% |
| HSV | 148°, 95%, 67% |
| XYZ | 16.5050, 30.2190, 13.5573 |
| YIQ | 113.3450, -69.2210, -61.6130 |

Conversions

Conversions Part 2

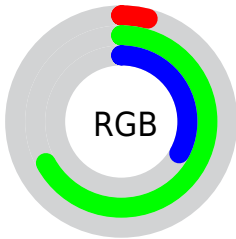
| Format | Color |
|-------------------------------------|----------------------------------------------|
| RYB | 9, 120, 172 |
| Decimal | 633941 |
| CIELab | 61.84, -56.58, 34.34 |
| CIELCh | 62, 66.184, 148.743 |
| Yxy | 30.2190, 0.2738, 0.5013 |
| Android (android.graphics.Color) | 4278824021 (0xFF09AC55) |
| YUV | 113.3450, -13.9741, -91.5106 |
| Hunter-Lab | 54.9718, -42.6069, 23.8580 |

Details

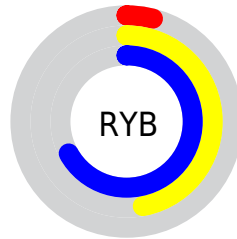
The Yxy color **30.2190, 0.2738, 0.5013** is a dark color, and the websafe version is hex **009933**. A complement of this color would be **9.8118, 0.4690, 0.2394**, and the grayscale version is **16.6817, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.1959, 0.2847, 0.4622**, and **13.0842, 0.2866, 0.5517** is the 20% darker color. If you saturate the color by 10%, you get **30.0880, 0.2753, 0.5111**, and if you desaturate by 10%, it is **30.5401, 0.2716, 0.4819**.

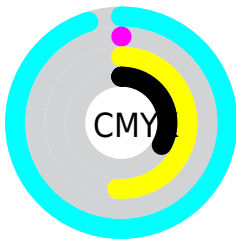
Distribution



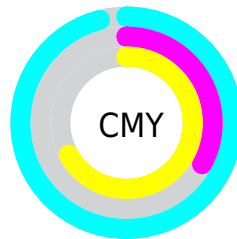
- Red (4%)
- Green (67%)
- Blue (33%)



- Red (4%)
- Yellow (47%)
- Blue (67%)



- Cyan (95%)
- Magenta (0%)
- Yellow (51%)
- Black (33%)





- Cyan (96%)
- Magenta (33%)
- Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 30.2190, 0.2738, 0.5013 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 30.2190, 0.2738, 0.5013 by changing the saturation by 10% instead.


 30.2190, 0.2738,
0.5013


 30.2190, 0.2738,
0.5013


302.9239, 0.2990,
0.4016


 20.0049, 0.2649,
0.5312


 60.0083, 0.2847,
0.4615


 12.3986, 0.2515,
0.5727


 80.3523, 0.2882,
0.4476

 7.0157, 0.2299,
0.6330


 104.8418, 0.2910,
0.4364

 3.4719, 0.1989,
0.7510

 133.8610, 0.2933,
0.4270

 1.3828, 0.0000,
1.0000

 167.7944, 0.2951,
0.4192

 0.2040, 0.0000,
1.0000

 207.0265, 0.2966,

 0.0000, 0.0000,

0.4125

0.0000

251.9415, 0.2979,
0.4067

■ 30.2190, 0.2738,
0.5013

■ 30.2190, 0.2738,
0.5013

■ 30.0880, 0.2753,
0.5111

■ 30.5401, 0.2716,
0.4819

■ 31.0155, 0.2713,
0.4615

■ 31.6683, 0.2729,
0.4408

■ 32.5168, 0.2763,
0.4203

■ 33.5765, 0.2811,
0.4006

■ 34.8617, 0.2871,
0.3820

■ 36.3852, 0.2940,
0.3648

■ 38.1588, 0.3014,
0.3492

■ 40.1936, 0.3090,
0.3351

Harmonies

Analogous

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



30.2190, 0.3702, 0.5252



30.2190, 0.2738, 0.5013



30.2190, 0.1932, 0.3928

Triad

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



30.2190, 0.2738, 0.5013



30.2190, 0.1687, 0.1798



30.2190, 0.5084, 0.3314

Complementary

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



30.2190, 0.2738, 0.5013



9.8118, 0.4690, 0.2394

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.



30.2190, 0.4343, 0.2663



30.2190, 0.2738, 0.5013



30.2190, 0.2290, 0.1836

Square

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



30.2190, 0.2738, 0.5013



30.2190, 0.1428, 0.2077



30.2190, 0.3246, 0.2140



30.2190, 0.5126, 0.4026

Rectangle

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



30.2190, 0.2738, 0.5013



30.2190, 0.1595, 0.3121



30.2190, 0.3246, 0.2140



30.2190, 0.4907, 0.3089

Sweetspot

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



30.2202, 0.2738, 0.5013



64.9182, 0.2913, 0.3711



32.1595, 0.3464, 0.5594



13.8603, 0.2885, 0.3783



86.8899, 0.3127, 0.3290



16.2647, 0.3127, 0.3290

Same Dimension

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



30.2202, 0.2738, 0.5013



54.5386, 0.2762, 0.5141



32.2394, 0.2295, 0.3432



8.9992, 0.3055, 0.3414



22.4005, 0.2748, 0.5092



0.6343, 0.2584, 0.4501

Inverse Universe

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



9.8118, 0.4690, 0.2394



17.2622, 0.4841, 0.2440



9.0078, 0.6239, 0.3265



8.0841, 0.3206, 0.3170



7.1106, 0.4785, 0.2410



0.2087, 0.4189, 0.2081

Previews

White Background



This preview shows how the Yxy color 30.2190, 0.2738, 0.5013 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 30.2190, 0.2738, 0.5013 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 ✓ Pass

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

Yxy 30.2190, 0.2738, 0.5013

Background



This preview shows how black text looks on a background with the Yxy color 30.2190, 0.2738, 0.5013.



This preview shows how white text looks on a background with the Yxy color 30.2190, 0.2738, 0.5013.

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

30.2190, 0.2738, 0.5013

Protanopia

29.6081, 0.3997, 0.4345

Deuteranopia

29.7200, 0.4061, 0.3992



Tritanopia

30.0941, 0.2333, 0.3066

Trichromacy



Original Color

30.2190, 0.2738, 0.5013



Protanomaly

27.8813, 0.3309, 0.4686



Deuteranomaly

27.3026, 0.3333, 0.4423



Tritanomaly

29.7833, 0.2460, 0.3737

Monochromacy



Original Color

30.2190, 0.2738, 0.5013



Achromatopsia

16.5132, 0.3127, 0.3290



Achromatomaly

19.5253, 0.2816, 0.3963

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.2190, 0.2738, 0.5013 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(9, 172, 85)` looks like.

```
.text, #text, p{  
    color:rgb(9, 172, 85)  
}
```

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(9, 172, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(9, 172, 85) }
```

Border

The CSS property to change the border of an element to Yxy 30.2190, 0.2738, 0.5013 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(9, 172, 85) }
```

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

```
.border{ border-color:rgb(9, 172, 85) }
```

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

Here you see how a box with a 4 pixel `rgb(9, 172, 85)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(9, 172, 85); -webkit-box-  
shadow:4px 4px 4px 4px rgb(9, 172, 85);  
box-shadow:4px 4px 4px 4px rgb(9, 172, 85)  
}
```


Background

The CSS property to change the background color of an element to Yxy 30.2190, 0.2738, 0.5013 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(9, 172, 85) }
```

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

```
.background{ background-color: rgb(9, 172,  
85) }
```

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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