

Converting Colors

$Y_{xy}(23.2270, 0.2792, 0.5203)$

Have a look what the booklet for
Yxy(23.2270, 0.2792, 0.5203)
contains.

Yxy(23.2210, 0.2790, 0.5199)	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

Yxy(23.2210, 0.2790, 0.5199)

Conversions

Conversions Part 1

Format	Color
Hex	079942
RGB	7, 153, 66
RGB Percent	3%, 60%, 26%
CMY	0.9731, 0.4000, 0.7411
CMYK	0.96, 0.00, 0.57, 0.40
HSL	144°, 91%, 31%
HSV	144°, 96%, 60%
XYZ	12.4614, 23.2210, 8.9820
YIQ	99.4280, -59.0890, -58.0090

Conversions

Conversions Part 2

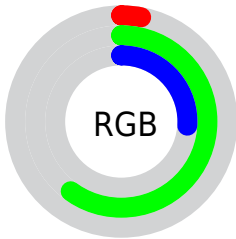
Format	Color
RYB	7, 111, 153
Decimal	497986
CIELab	55.30, -53.32, 35.87
CIElCh	55, 64.259, 146.071
Yxy	23.2210, 0.2790, 0.5199
Android (android.graphics.Color)	4278688066 (0xFF079942)
YUV	99.4280, -16.4800, -81.0594
Hunter-Lab	48.1882, -38.1696, 22.6804

Details

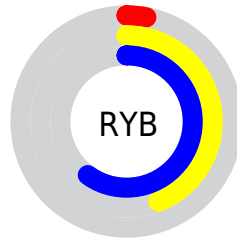
The Yxy color **23.2210, 0.2790, 0.5199** is a dark color, and the websafe version is hex **009933**. A complement of this color would be **7.7275, 0.4452, 0.2260**, and the grayscale version is **12.6356, 0.3127, 0.3290**.

A 20% lighter version of the original color is **48.9857, 0.2907, 0.4735**, and **9.1518, 0.2941, 0.5787** is the 20% darker color. If you saturate the color by 10%, you get **23.1311, 0.2802, 0.5286**, and if you desaturate by 10%, it is **23.4663, 0.2767, 0.4994**.

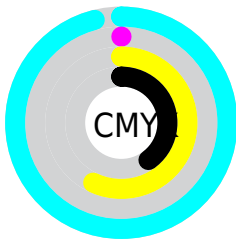
Distribution



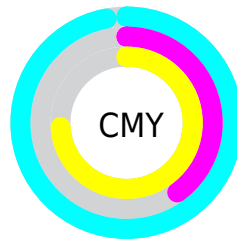
- Red (3%)
- Green (60%)
- Blue (26%)



- Red (3%)
- Yellow (44%)
- Blue (60%)



- Cyan (96%)
- Magenta (0%)
- Yellow (57%)
- Black (40%)





- Cyan (97%)
- Magenta (40%)
- Yellow (74%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 23.2210, 0.2790, 0.5199 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 23.2210, 0.2790, 0.5199 by changing the saturation by 10% instead.


 23.2210, 0.2790,
0.5199


 23.2210, 0.2790,
0.5199


268.8581, 0.3032,
0.4052


 14.7568, 0.2689,
0.5564


 48.7560, 0.2903,
0.4727


 8.6489, 0.2526,
0.6082


 66.5955, 0.2937,
0.4567


 4.5129, 0.2258,
0.6912

 88.3289, 0.2963,
0.4439

 1.9644, 0.1356,
0.8644

 114.3406, 0.2983,
0.4334

 0.5867, 0.0000,
1.0000

 145.0149, 0.2999,
0.4246

 0.0000, 0.0000,
0.0000

 180.7364, 0.3012,

0.4171

221.8893, 0.3023,
0.4108

■ 23.2210, 0.2790,
0.5199

■ 23.2210, 0.2790,
0.5199

■ 23.1311, 0.2802,
0.5286

■ 23.4663, 0.2767,
0.4994

■ 23.8299, 0.2761,
0.4774

■ 24.3311, 0.2773,
0.4546

■ 24.9838, 0.2801,
0.4319

■ 25.8000, 0.2843,
0.4100

■ 26.7906, 0.2896,
0.3893

■ 27.9652, 0.2957,
0.3701

■ 29.3332, 0.3022,
0.3526

■ 30.9029, 0.3090,
0.3369

Harmonies

Analogous

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



23.2210, 0.3798, 0.5335



23.2210, 0.2790, 0.5199



23.2210, 0.1925, 0.4086

Triad

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



23.2210, 0.2790, 0.5199



23.2210, 0.1584, 0.1741



23.2210, 0.5154, 0.3236

Complementary

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



23.2210, 0.2790, 0.5199



7.7275, 0.4452, 0.2260

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.



23.2210, 0.4316, 0.2572



23.2210, 0.2790, 0.5199



23.2210, 0.2173, 0.1757

Square

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



23.2210, 0.2790, 0.5199



23.2210, 0.1347, 0.2056



23.2210, 0.3146, 0.2048



23.2210, 0.5250, 0.3966

Rectangle

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



23.2210, 0.2790, 0.5199



23.2210, 0.1555, 0.3207



23.2210, 0.3146, 0.2048



23.2210, 0.4947, 0.3005

Sweetspot

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



23.2219, 0.2790, 0.5199



49.1836, 0.2931, 0.3777



25.2080, 0.3537, 0.5537



10.6814, 0.2908, 0.3852



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.



23.2219, 0.2790, 0.5199



41.3875, 0.2811, 0.5321



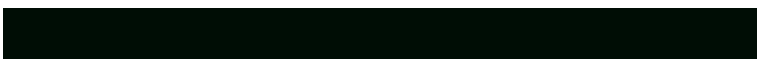
24.6747, 0.2337, 0.3582



6.9650, 0.3064, 0.3425



19.1224, 0.2798, 0.5273



0.2928, 0.2570, 0.4452

Inverse Universe

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



7.7275, 0.4452, 0.2260



13.4459, 0.4568, 0.2290



6.9779, 0.6151, 0.3215



6.2813, 0.3196, 0.3158



6.2292, 0.4523, 0.2266



0.1003, 0.3842, 0.1890

Previews

White Background



This preview shows how the Yxy color 23.2210, 0.2790, 0.5199 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 23.2210, 0.2790, 0.5199 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 23.2210, 0.2790, 0.5199

Background



This preview shows how black text looks on a background with the Yxy color 23.2210, 0.2790, 0.5199.



This preview shows how white text looks on a background with the Yxy color 23.2210, 0.2790, 0.5199.

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

23.2210, 0.2790, 0.5199

Protanopia

22.9293, 0.4074, 0.4471

Deuteranopia

22.7387, 0.4181, 0.4086



Tritanopia

23.2737, 0.2348, 0.3079

Trichromacy



Original Color

23.2210, 0.2790, 0.5199



Protanomaly

21.5369, 0.3369, 0.4847



Deuteranomaly

20.7861, 0.3430, 0.4562



Tritanomaly

22.7689, 0.2486, 0.3792

Monochromacy



Original Color

23.2210, 0.2790, 0.5199



Achromatopsia

12.4772, 0.3127, 0.3290



Achromatomaly

15.0056, 0.2848, 0.4071

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.2210, 0.2790, 0.5199 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(7, 153, 66)` looks like.

```
.text, #text, p{  
    color:rgb(7, 153, 66)  
}
```

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(7, 153, 66) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(7, 153, 66) }
```

Border

The CSS property to change the border of an element to Yxy 23.2210, 0.2790, 0.5199 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(7, 153, 66) }
```

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

```
.border{ border-color:rgb(7, 153, 66) }
```

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

Here you see how a box with a 4 pixel rgb(7, 153, 66) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(7, 153, 66); -webkit-box-  
shadow:4px 4px 4px 4px rgb(7, 153, 66);  
box-shadow:4px 4px 4px 4px rgb(7, 153, 66)  
}
```


Background

The CSS property to change the background color of an element to Yxy 23.2210, 0.2790, 0.5199 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(7, 153, 66) }
```

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

```
.background{ background-color: rgb(7, 153,  
66) }
```

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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