

Converting Colors

$Y_{xy}(17.1970, 0.2566, 0.5076)$

Have a look what the booklet for
Yxy(17.1970, 0.2566, 0.5076)
contains.

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Color

$Y_{xy}(17.7213, 0.2723, 0.5001)$

Conversions

Conversions Part 1

Format	Color
Hex	008742
RGB	0, 135, 66
RGB Percent	0%, 53%, 26%
CMY	0.9992, 0.4706, 0.7412
CMYK	1.00, 0.00, 0.51, 0.47
HSL	149°, 100%, 27%
HSV	149°, 100%, 53%
XYZ	9.6491, 17.7213, 8.0651
YIQ	86.7690, -58.3110, -50.0790

Conversions

Conversions Part 2

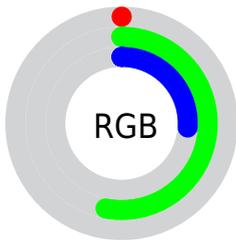
Format	Color
RYB	0, 91, 135
Decimal	34626
CIELab	49.16, -47.60, 28.34
CIELCh	49, 55.398, 149.226
Yxy	17.7213, 0.2723, 0.5001
Android (android.graphics.Color)	4278224706 (0xFF008742)
YUV	86.7690, -10.2391, -76.0964
Hunter-Lab	42.0967, -32.7547, 18.1086

Details

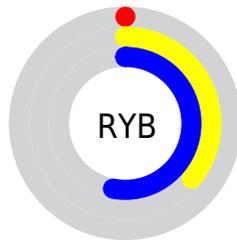
The Yxy color **17.7213, 0.2723, 0.5001** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **5.5876, 0.4853, 0.2448**, and the grayscale version is **9.5243, 0.3127, 0.3290**.

A 20% lighter version of the original color is **39.3823, 0.2851, 0.4548**, and **6.3912, 0.2889, 0.5602** is the 20% darker color. If you saturate the color by 10%, you get **17.7194, 0.2723, 0.5004**, and if you desaturate by 10%, it is **17.8982, 0.2702, 0.4818**.

Distribution



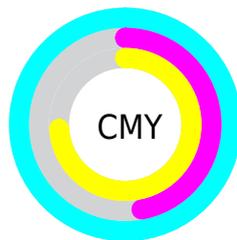
- Red (0%)
- Green (53%)
- Blue (26%)



- Red (0%)
- Yellow (36%)
- Blue (53%)



- Cyan (100%)
- Magenta (0%)
- Yellow (51%)
- Black (47%)



- Cyan (100%)
- Magenta (47%)
- Yellow (74%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 17.7213, 0.2723, 0.5001 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 17.7213, 0.2723, 0.5001 by changing the saturation by 10% instead.

 17.7213, 0.2723,
0.5001

 17.7213, 0.2723,
0.5001

239.2954, 0.2999,
0.3937

 10.7501, 0.2610,
0.5368

 39.5619, 0.2850,
0.4548

 5.8990, 0.2425,
0.5918

 55.2000, 0.2888,
0.4400

 2.7838, 0.2153,
0.7021

 74.4959, 0.2918,
0.4282

 1.0199, 0.0000,
1.0000

 97.8339, 0.2941,
0.4187

 0.0000, 0.0000,
0.0000

 125.5985, 0.2960,
0.4108

 158.1740, 0.2975,

0.4042

195.9448, 0.2988,
0.3986

■ 17.7213, 0.2723,
0.5001

■ 17.7213, 0.2723,
0.5001

■ 17.7194, 0.2723,
0.5004

■ 17.8982, 0.2702,
0.4818

■ 18.1397, 0.2694,
0.4627

■ 18.4765, 0.2705,
0.4433

■ 18.9191, 0.2733,
0.4239

■ 19.4767, 0.2777,
0.4051

■ 20.1572, 0.2834,
0.3872

■ 20.9681, 0.2900,
0.3705

■ 21.9161, 0.2973,
0.3552

■ 23.0074, 0.3050,
0.3413

Harmonies

Analogous

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



17.7213, 0.3687, 0.5256



17.7213, 0.2723, 0.5001



17.7213, 0.1922, 0.3908

Triad

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



17.7213, 0.2723, 0.5001



17.7213, 0.1694, 0.1796



17.7213, 0.5090, 0.3325

Complementary

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



17.7213, 0.2723, 0.5001



5.5876, 0.4853, 0.2448

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.



17.7213, 0.4359, 0.2672



17.7213, 0.2723, 0.5001



17.7213, 0.2303, 0.1839

Square

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



17.7213, 0.2723, 0.5001



17.7213, 0.1429, 0.2069



17.7213, 0.3263, 0.2147



17.7213, 0.5121, 0.4038

Rectangle

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



17.7213, 0.2723, 0.5001



17.7213, 0.1589, 0.3103



17.7213, 0.3263, 0.2147



17.7213, 0.4917, 0.3099

Sweetspot

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



17.7220, 0.2723, 0.5001



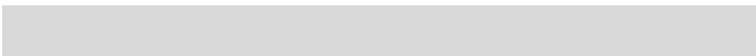
37.4218, 0.2894, 0.3718



18.6244, 0.3407, 0.5675



8.5382, 0.2869, 0.3779



69.2071, 0.3127, 0.3290



10.0482, 0.3127, 0.3290

Same Dimension

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



17.7220, 0.2723, 0.5001



31.7009, 0.2734, 0.5041



19.0153, 0.2261, 0.3337



5.2398, 0.3055, 0.3403



16.3428, 0.2722, 0.4998



0.0581, 0.2505, 0.4218

Inverse Universe

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



5.5876, 0.4853, 0.2448



9.9638, 0.4901, 0.2474



5.1607, 0.6371, 0.3286



4.7255, 0.3206, 0.3179



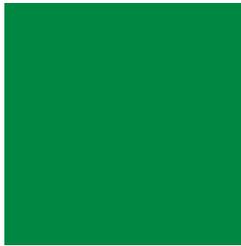
5.1500, 0.4849, 0.2445



0.0193, 0.4006, 0.1980

Previews

White Background



This preview shows how the Yxy color 17.7213, 0.2723, 0.5001 looks on a white background.

Color Contrast Check

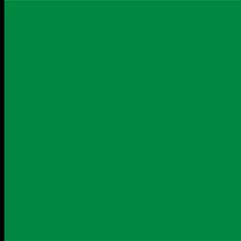
Large Text (above 18pt) WCAG AA ✓ Pass

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 17.7213, 0.2723, 0.5001 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 17.7213, 0.2723, 0.5001

Background



This preview shows how black text looks on a background with the Yxy color 17.7213, 0.2723, 0.5001.



This preview shows how white text looks on a background with the Yxy color 17.7213, 0.2723, 0.5001.

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

17.7213, 0.2723, 0.5001

Protanopia

17.4062, 0.3975, 0.4334

Deuteranopia

17.4995, 0.4063, 0.3986



Tritanopia

17.7438, 0.2340, 0.3055

Trichromacy



Original Color

17.7213, 0.2723, 0.5001



Protanomaly

16.3076, 0.3281, 0.4680



Deuteranomaly

16.0488, 0.3312, 0.4416



Tritanomaly

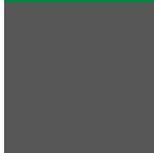
17.4584, 0.2450, 0.3708

Monochromacy



Original Color

17.7213, 0.2723, 0.5001



Achromatopsia

9.5307, 0.3127, 0.3290



Achromatomaly

11.2774, 0.2798, 0.3975

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.7213, 0.2723, 0.5001 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, 135, 66)` looks like.

```
.text, #text, p{  
    color:rgb(0, 135, 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(0, 135, 66) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 135, 66) }
```

Border

The CSS property to change the border of an element to Yxy 17.7213, 0.2723, 0.5001 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, 135, 66) }
```

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

```
.border{ border-color:rgb(0, 135, 66) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 135, 66)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 135, 66); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 135, 66);  
box-shadow:4px 4px 4px 4px rgb(0, 135, 66)  
}
```

Background

The CSS property to change the background color of an element to Yxy 17.7213, 0.2723, 0.5001 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 135, 66) }
```

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

```
.background{ background-color: rgb(0, 135,  
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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