

Converting Colors

$Y_{xy}(17.7825, 0.2712, 0.4964)$

Have a look what the booklet for
Yxy(17.7825, 0.2712, 0.4964)
contains.

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Color

$\text{Yxy}(17.7453, 0.2709, 0.4952)$

Conversions

Conversions Part 1

Format	Color
Hex	008744
RGB	0, 135, 68
RGB Percent	0%, 53%, 27%
CMY	0.9998, 0.4706, 0.7333
CMYK	1.00, 0.00, 0.50, 0.47
HSL	150°, 100%, 26%
HSV	150°, 100%, 53%
XYZ	9.7076, 17.7453, 8.3817
YIQ	86.9970, -58.9530, -49.4570

Conversions

Conversions Part 2

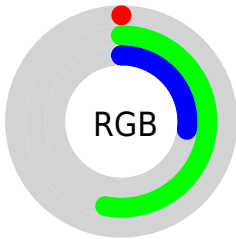
Format	Color
RYB	0, 90, 135
Decimal	34628
CIELab	49.19, -47.25, 27.31
CIELCh	49, 54.578, 149.974
Yxy	17.7453, 0.2709, 0.4952
Android (android.graphics.Color)	4278224708 (0xFF008744)
YUV	86.9970, -9.3655, -76.2964
Hunter-Lab	42.1252, -32.5844, 17.6906

Details

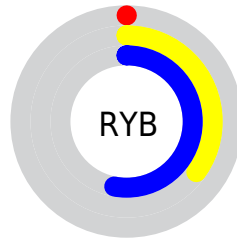
The Yxy color **17.7453, 0.2709, 0.4952** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **5.5577, 0.4919, 0.2484**, and the grayscale version is **9.5632, 0.3127, 0.3290**.

A 20% lighter version of the original color is **39.4289, 0.2839, 0.4513**, and **6.3986, 0.2874, 0.5548** is the 20% darker color. If you saturate the color by 10%, you get **17.7455, 0.2709, 0.4953**, and if you desaturate by 10%, it is **17.9221, 0.2689, 0.4773**.

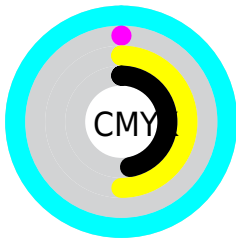
Distribution



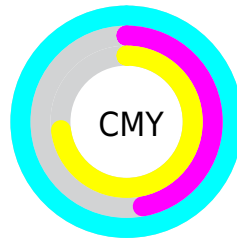
- Red (0%)
- Green (53%)
- Blue (27%)



- Red (0%)
- Yellow (35%)
- Blue (53%)



- Cyan (100%)
- Magenta (0%)
- Yellow (50%)
- Black (47%)




- Cyan (100%)
- Magenta (47%)
- Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 17.7453, 0.2709, 0.4952 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 17.7453, 0.2709, 0.4952 by changing the saturation by 10% instead.


 17.7453, 0.2709,
0.4952


 17.7453, 0.2709,
0.4952


239.4315, 0.2990,
0.3920

 10.7673, 0.2596,
0.5309


 39.6028, 0.2837,
0.4512


 5.9106, 0.2413,
0.5844

 55.2512, 0.2876,
0.4368


 2.7908, 0.2132,
0.6875

 74.5584, 0.2907,
0.4254

 1.0235, 0.0000,
1.0000

 97.9088, 0.2930,
0.4162

 0.0000, 0.0000,
0.0000

 125.6870, 0.2950,
0.4086

 158.2772, 0.2966,

0.4021

196.0639, 0.2979,
0.3967

■ 17.7453, 0.2709,
0.4952

■ 17.7453, 0.2709,
0.4952

■ 17.7455, 0.2709,
0.4953

■ 17.9221, 0.2689,
0.4773

■ 18.1621, 0.2682,
0.4588

■ 18.4968, 0.2693,
0.4399

■ 18.9366, 0.2723,
0.4211

■ 19.4906, 0.2768,
0.4029

■ 20.1668, 0.2826,
0.3856

■ 20.9727, 0.2893,
0.3694

■ 21.9149, 0.2968,
0.3546

■ 22.9996, 0.3046,
0.3411

Harmonies

Analogous

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



17.7453, 0.3661, 0.5232



17.7453, 0.2709, 0.4952



17.7453, 0.1923, 0.3868

Triad

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



17.7453, 0.2709, 0.4952



17.7453, 0.1721, 0.1811



17.7453, 0.5071, 0.3346

Complementary

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



17.7453, 0.2709, 0.4952



5.5577, 0.4919, 0.2484

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.



17.7453, 0.4365, 0.2697



17.7453, 0.2709, 0.4952



17.7453, 0.2334, 0.1860

Square

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



17.7453, 0.2709, 0.4952



17.7453, 0.1451, 0.2075



17.7453, 0.3289, 0.2171



17.7453, 0.5088, 0.4053

Rectangle

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



17.7453, 0.2709, 0.4952



17.7453, 0.1600, 0.3082



17.7453, 0.3289, 0.2171



17.7453, 0.4906, 0.3121

Sweetspot

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



17.7460, 0.2709, 0.4952



37.4480, 0.2888, 0.3705



18.5403, 0.3384, 0.5695



8.5448, 0.2863, 0.3763



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.



17.7460, 0.2709, 0.4952



31.7456, 0.2719, 0.4989



19.0780, 0.2247, 0.3287



5.2410, 0.3053, 0.3400



16.3659, 0.2707, 0.4947



0.0582, 0.2495, 0.4180

Inverse Universe

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



5.5577, 0.4919, 0.2484



9.9182, 0.4967, 0.2510



5.1520, 0.6400, 0.3300



4.7244, 0.3208, 0.3183



5.1264, 0.4913, 0.2480



0.0192, 0.4043, 0.2001

Previews

White Background



This preview shows how the Yxy color 17.7453, 0.2709, 0.4952 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 17.7453, 0.2709, 0.4952 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 17.7453, 0.2709, 0.4952

Background



This preview shows how black text looks on a background with the Yxy color 17.7453, 0.2709, 0.4952.



This preview shows how white text looks on a background with the Yxy color 17.7453, 0.2709, 0.4952.

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

17.7453, 0.2709, 0.4952

Protanopia

17.6596, 0.3944, 0.4317

Deuteranopia

17.4387, 0.4023, 0.3956



Tritanopia

17.7438, 0.2340, 0.3055

Trichromacy



Original Color

17.7453, 0.2709, 0.4952



Protanomaly

16.5348, 0.3247, 0.4658



Deuteranomaly

16.0247, 0.3278, 0.4376



Tritanomaly

17.4809, 0.2442, 0.3683

Monochromacy



Original Color

17.7453, 0.2709, 0.4952



Achromatopsia

9.5307, 0.3127, 0.3290



Achromatomaly

11.2920, 0.2787, 0.3946

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.7453, 0.2709, 0.4952 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, 68)` looks like.

```
.text, #text, p{  
    color:rgb(0, 135, 68)  
}
```

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, 68) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 135, 68) }
```

Border

The CSS property to change the border of an element to Yxy 17.7453, 0.2709, 0.4952 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, 68) }
```

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

```
.border{ border-color:rgb(0, 135, 68) }
```

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, 68)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 135, 68); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 135, 68);  
box-shadow:4px 4px 4px 4px rgb(0, 135, 68)  
}
```


Background

The CSS property to change the background color of an element to Yxy 17.7453, 0.2709, 0.4952 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, 68) }
```

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

```
.background{ background-color: rgb(0, 135,  
68) }
```

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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