

Converting Colors

$Y_{xy}(13.7372, 0.2918, 0.5382)$

Have a look what the booklet for
Yxy(13.7372, 0.2918, 0.5382)
contains.

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Color

Yxy(13.7752, 0.2917, 0.5379)

Conversions

Conversions Part 1

Format	Color
Hex	177829
RGB	23, 120, 41
RGB Percent	9%, 47%, 16%
CMY	0.9098, 0.5294, 0.8392
CMYK	0.81, 0.00, 0.66, 0.53
HSL	131°, 68%, 28%
HSV	131°, 81%, 47%
XYZ	7.4702, 13.7752, 4.3638
YIQ	81.9910, -32.4530, -45.1330

Conversions

Conversions Part 2

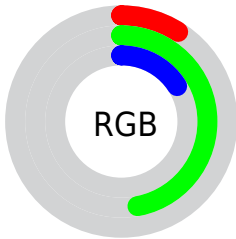
Format	Color
R_{YB}	23, 105, 120
Decimal	1538089
CIE _{Lab}	43.91, -44.05, 34.85
CIE _{LCh}	44, 56.169, 141.655
Y _{xy}	13.7752, 0.2917, 0.5379
Android (android.graphics.Color)	4279728169 (0xFF177829)
YUV	81.9910, -20.2086, -51.7351
Hunter-Lab	37.1150, -29.0241, 19.0094

Details

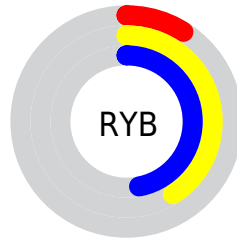
The Yxy color **13.7752, 0.2917, 0.5379** is a dark color, and the websafe version is hex **006600**. A complement of this color would be **5.5652, 0.3590, 0.1912**, and the grayscale version is **8.4826, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.5566, 0.3021, 0.4790**, and **4.3803, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **13.6048, 0.2927, 0.5605**, and if you desaturate by 10%, it is **14.0279, 0.2918, 0.5115**.

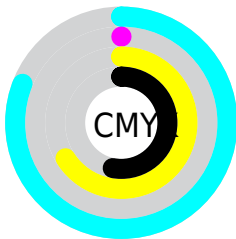
Distribution



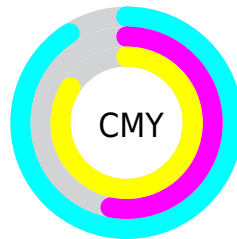
- Red (9%)
- Green (47%)
- Blue (16%)



- Red (9%)
- Yellow (41%)
- Blue (47%)



- Cyan (81%)
- Magenta (0%)
- Yellow (66%)
- Black (53%)





- Cyan (91%)
- Magenta (53%)
- Yellow (84%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.7752, 0.2917, 0.5379 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 13.7752, 0.2917, 0.5379 by changing the saturation by 10% instead.


 13.7752, 0.2917,
0.5379


 13.7752, 0.2917,
0.5379


215.8278, 0.3108,
0.4042


 7.9645, 0.2799,
0.5857


 32.6896, 0.3025,
0.4798


 4.0722, 0.2607,
0.6663

 46.5621, 0.3051,
0.4610


 1.7140, 0.1846,
0.8154

 63.8906, 0.3069,
0.4464

 0.4327, 0.0000,
1.0000

 85.0596, 0.3082,
0.4346

 0.0000, 0.0000,
0.0000

 110.4534, 0.3092,
0.4249

 140.4565, 0.3099,

0.4169

175.4531, 0.3104,
0.4100

■ 13.7752, 0.2917,
0.5379

■ 13.7752, 0.2917,
0.5379

■ 13.6048, 0.2927,
0.5605

■ 14.0279, 0.2918,
0.5115

■ 13.4924, 0.2937,
0.5773

■ 14.3700, 0.2930,
0.4829

■ 14.8096, 0.2952,
0.4537

■ 15.3538, 0.2980,
0.4250

■ 16.0086, 0.3014,
0.3979

■ 16.7797, 0.3050,
0.3730

■ 17.6725, 0.3087,
0.3506

■ 18.6921, 0.3124,
0.3306

■ 19.8430, 0.3160,
0.3129

Harmonies

Analogous

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



13.7752, 0.3952, 0.5344



13.7752, 0.2917, 0.5379



13.7752, 0.1989, 0.4329

Triad

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



13.7752, 0.2917, 0.5379



13.7752, 0.1482, 0.1717



13.7752, 0.5148, 0.3118

Complementary

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



13.7752, 0.2917, 0.5379



5.5652, 0.3590, 0.1912

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.



13.7752, 0.4188, 0.2455



13.7752, 0.2917, 0.5379



13.7752, 0.2026, 0.1691

Square

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



13.7752, 0.2917, 0.5379



13.7752, 0.1288, 0.2094



13.7752, 0.2972, 0.1950



13.7752, 0.5355, 0.3854

Rectangle

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



13.7752, 0.2917, 0.5379



13.7752, 0.1569, 0.3388



13.7752, 0.2972, 0.1950



13.7752, 0.4897, 0.2886

Sweetspot

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



13.7758, 0.2917, 0.5379



28.9775, 0.3036, 0.3821



16.3329, 0.3865, 0.5101



6.7739, 0.3026, 0.3894



62.0916, 0.3127, 0.3290



7.8288, 0.3127, 0.3290

Same Dimension

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



13.7758, 0.2917, 0.5379



23.7643, 0.2942, 0.5758



14.3417, 0.2536, 0.4093



4.4610, 0.3094, 0.3469



14.7172, 0.2939, 0.5779



70.1080, 0.2957, 0.5847

Inverse Universe

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



5.5652, 0.3590, 0.1912



8.6707, 0.3714, 0.1836



4.8698, 0.4973, 0.2780



4.0654, 0.3163, 0.3117



5.3106, 0.3723, 0.1825



25.2154, 0.3755, 0.1842

Previews

White Background



This preview shows how the Yxy color 13.7752, 0.2917, 0.5379 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 13.7752, 0.2917, 0.5379 looks on a black 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

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

Yxy 13.7752, 0.2917, 0.5379

Background



This preview shows how black text looks on a background with the Yxy color 13.7752, 0.2917, 0.5379.



This preview shows how white text looks on a background with the Yxy color 13.7752, 0.2917, 0.5379.

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

13.7752, 0.2917, 0.5379

Protanopia

13.4727, 0.4172, 0.4593

Deuteranopia

13.5380, 0.4310, 0.4228



Tritanopia

13.7257, 0.2401, 0.3077

Trichromacy



Original Color

13.7752, 0.2917, 0.5379

Protanomaly

12.8711, 0.3577, 0.4951

Deuteranomaly

12.6712, 0.3656, 0.4706

Tritanomaly

13.5264, 0.2591, 0.3886

Monochromacy



Original Color

13.7752, 0.2917, 0.5379

Achromatopsia

8.4376, 0.3127, 0.3290

Achromatomaly

9.7631, 0.3004, 0.4119

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.7752, 0.2917, 0.5379 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(23, 120, 41)` looks like.

```
.text, #text, p{  
    color:rgb(23, 120, 41)  
}
```

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(23, 120, 41) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(23, 120, 41) }
```

Border

The CSS property to change the border of an element to Yxy 13.7752, 0.2917, 0.5379 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(23, 120, 41) }
```

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

```
.border{ border-color:rgb(23, 120, 41) }
```

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

Here you see how a box with a 4 pixel `rgb(23, 120, 41)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(23, 120, 41); -webkit-box-  
shadow:4px 4px 4px 4px rgb(23, 120, 41);  
box-shadow:4px 4px 4px 4px rgb(23, 120,  
41) }
```


Background

The CSS property to change the background color of an element to Yxy 13.7752, 0.2917, 0.5379 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(23, 120, 41) }
```

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

```
.background{ background-color: rgb(23, 120,  
41) }
```

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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