

Converting Colors

$Yxy(12.7904, 0.2472, 0.3746)$

Have a look what the booklet for
Yxy(12.7904, 0.2472, 0.3746)
contains.

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Color

Yxy(12.6758, 0.2470, 0.3742)

Conversions

Conversions Part 1

Format	Color
Hex	1D705F
RGB	29, 112, 95
RGB Percent	11%, 44%, 37%
CMY	0.8861, 0.5608, 0.6275
CMYK	0.74, 0.00, 0.15, 0.56
HSL	168°, 59%, 28%
HSV	168°, 74%, 44%
XYZ	8.3670, 12.6758, 12.8316
YIQ	85.2450, -44.0110, -22.8830

Conversions

Conversions Part 2

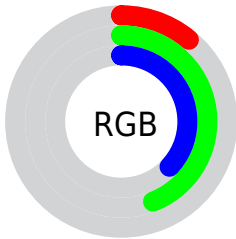
Format	Color
R_{YB}	29, 75, 112
Decimal	1929311
CIE _{Lab}	42.27, -28.74, 2.41
CIE _{LCh}	42, 28.844, 175.204
Yxy	12.6758, 0.2470, 0.3742
Android (android.graphics.Color)	4280119391 (0xFF1D705F)
YUV	85.2450, 4.8092, -49.3269
Hunter-Lab	35.6031, -20.3567, 3.5536

Details

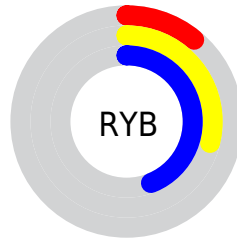
The Yxy color **12.6758, 0.2470, 0.3742** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **4.5227, 0.5011, 0.2976**, and the grayscale version is **9.1371, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.5737, 0.2636, 0.3626**, and **3.7768, 0.2424, 0.3926** is the 20% darker color. If you saturate the color by 10%, you get **12.5005, 0.2441, 0.3813**, and if you desaturate by 10%, it is **12.9128, 0.2516, 0.3672**.

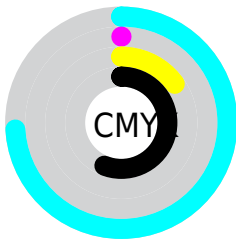
Distribution



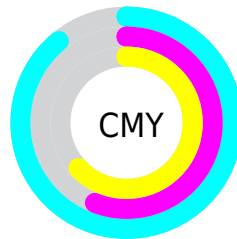
- Red (11%)
- Green (44%)
- Blue (37%)



- Red (11%)
- Yellow (29%)
- Blue (44%)



- Cyan (74%)
- Magenta (0%)
- Yellow (15%)
- Black (56%)




- Cyan (89%)
- Magenta (56%)
- Yellow (63%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.6758, 0.2470, 0.3742 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 12.6758, 0.2470, 0.3742 by changing the saturation by 10% instead.


 12.6758, 0.2470,
0.3742


 12.6758, 0.2470,
0.3742

 208.8293, 0.2868,
0.3465


 7.2057, 0.2335,
0.3838


 30.7201, 0.2637,
0.3624


 3.5911, 0.2133,
0.3986

 44.0631, 0.2693,
0.3586


 1.4475, 0.1739,
0.4269

 60.7991, 0.2737,
0.3555

 0.2514, 0.0000,
0.7051

 81.3127, 0.2773,
0.3530

 0.0000, 0.0000,
0.0000

 105.9880, 0.2803,
0.3510

 135.2097, 0.2828,

0.3492

169.3620, 0.2850,
0.3478

■ 12.6758, 0.2470,
0.3742

■ 12.6758, 0.2470,
0.3742

■ 12.5005, 0.2441,
0.3813

■ 12.9128, 0.2516,
0.3672

■ 12.3764, 0.2429,
0.3884

■ 13.2157, 0.2579,
0.3603

■ 12.3105, 0.2424,
0.3927

■ 13.5901, 0.2658,
0.3536

■ 14.0408, 0.2749,
0.3473

■ 14.5718, 0.2852,
0.3414

■ 15.1870, 0.2962,
0.3360

■ 15.8903, 0.3079,
0.3309

■ 16.6848, 0.3199,
0.3264

■ 17.5740, 0.3320,
0.3222

Harmonies

Analogous

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



12.6758, 0.3014, 0.4269



12.6758, 0.2470, 0.3742



12.6758, 0.2122, 0.3103

Triad

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



12.6758, 0.2470, 0.3742



12.6758, 0.2566, 0.2340



12.6758, 0.4362, 0.3794

Complementary

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



12.6758, 0.2470, 0.3742



4.5227, 0.5011, 0.2976

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.



12.6758, 0.4241, 0.3317



12.6758, 0.2470, 0.3742



12.6758, 0.3144, 0.2524

Square

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



12.6758, 0.2470, 0.3742



12.6758, 0.2178, 0.2359



12.6758, 0.3775, 0.2870



12.6758, 0.4120, 0.4212

Rectangle

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



12.6758, 0.2470, 0.3742



12.6758, 0.2029, 0.2749



12.6758, 0.3775, 0.2870



12.6758, 0.4365, 0.3636

Sweetspot

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



12.6763, 0.2470, 0.3742



25.7516, 0.2868, 0.3406



12.2818, 0.3177, 0.5428



6.1376, 0.2846, 0.3417



58.7016, 0.3127, 0.3290



6.8385, 0.3127, 0.3290

Same Dimension

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



12.6763, 0.2470, 0.3742



21.7961, 0.2432, 0.3865



8.4922, 0.2172, 0.2649



3.8040, 0.3021, 0.3333



14.2284, 0.2426, 0.3932



70.7516, 0.2437, 0.3971

Inverse Universe

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



4.5227, 0.5011, 0.2976



6.5926, 0.5665, 0.3024



6.0382, 0.5068, 0.3752



3.4117, 0.3245, 0.3247



4.0507, 0.5978, 0.3067



20.0741, 0.6100, 0.3134

Previews

White Background



This preview shows how the Yxy color 12.6758, 0.2470, 0.3742 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 12.6758, 0.2470, 0.3742 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

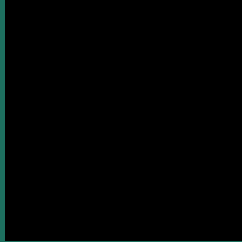
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 12.6758, 0.2470, 0.3742

Background



This preview shows how black text looks on a background with the Yxy color 12.6758, 0.2470, 0.3742.



This preview shows how white text looks on a background with the Yxy color 12.6758, 0.2470, 0.3742.

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

12.6758, 0.2470, 0.3742

Protanopia

12.5713, 0.3358, 0.3538

Deuteranopia

12.4988, 0.3298, 0.3247



Tritanopia

12.7167, 0.2329, 0.3068

Trichromacy



Original Color

12.6758, 0.2470, 0.3742

Protanomaly

12.2337, 0.2923, 0.3612

Deuteranomaly

12.0713, 0.2887, 0.3411

Tritanomaly

12.6710, 0.2375, 0.3288

Monochromacy



Original Color

12.6758, 0.2470, 0.3742

Achromatopsia

9.0842, 0.3127, 0.3290

Achromatomaly

10.0295, 0.2778, 0.3451

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.6758, 0.2470, 0.3742 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(29, 112, 95)` looks like.

```
.text, #text, p{  
    color:rgb(29, 112, 95)  
}
```

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(29, 112, 95) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(29, 112, 95) }
```

Border

The CSS property to change the border of an element to Yxy 12.6758, 0.2470, 0.3742 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(29, 112, 95) }
```

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

```
.border{ border-color:rgb(29, 112, 95) }
```

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

Here you see how a box with a 4 pixel `rgb(29, 112, 95)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(29, 112, 95); -webkit-box-  
shadow:4px 4px 4px 4px rgb(29, 112, 95);  
box-shadow:4px 4px 4px 4px rgb(29, 112,  
95) }
```


Background

The CSS property to change the background color of an element to Yxy 12.6758, 0.2470, 0.3742 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(29, 112, 95) }
```

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

```
.background{ background-color: rgb(29, 112,  
95) }
```

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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