

Converting Colors

$Y_{xy}(12.9821, 0.2504, 0.3770)$

Have a look what the booklet for
Yxy(12.9821, 0.2504, 0.3770)
contains.

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Color

Yxy(12.9766, 0.2503, 0.3763)

Conversions

Conversions Part 1

Format	Color
Hex	22715F
RGB	34, 113, 95
RGB Percent	13%, 44%, 37%
CMY	0.8665, 0.5569, 0.6274
CMYK	0.70, 0.00, 0.16, 0.56
HSL	166°, 54%, 29%
HSV	166°, 70%, 44%
XYZ	8.6315, 12.9766, 12.8766
YIQ	87.3270, -41.3060, -22.3460

Conversions

Conversions Part 2

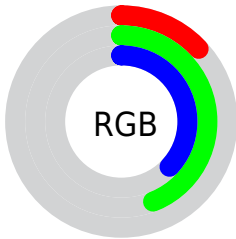
Format	Color
R_{YB}	34, 79, 113
Decimal	2257247
CIE _{Lab}	42.73, -28.39, 3.09
CIE _{LCh}	43, 28.562, 173.798
Yxy	12.9766, 0.2503, 0.3763
Android (android.graphics.Color)	4280447327 (0xFF22715F)
YUV	87.3270, 3.7828, -46.7678
Hunter-Lab	36.0230, -20.2697, 4.0227

Details

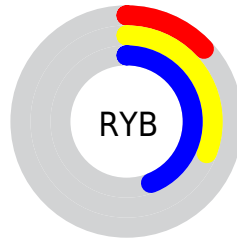
The Yxy color **12.9766, 0.2503, 0.3763** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **4.9057, 0.4796, 0.2940**, and the grayscale version is **9.6065, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.1283, 0.2664, 0.3640**, and **3.8885, 0.2435, 0.3965** is the 20% darker color. If you saturate the color by 10%, you get **12.7693, 0.2469, 0.3843**, and if you desaturate by 10%, it is **13.2496, 0.2555, 0.3684**.

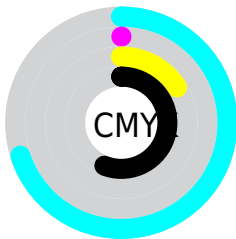
Distribution



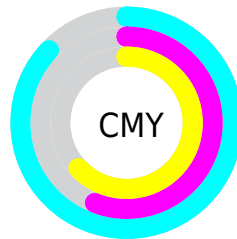
- Red (13%)
- Green (44%)
- Blue (37%)



- Red (13%)
- Yellow (31%)
- Blue (44%)



- Cyan (70%)
- Magenta (0%)
- Yellow (16%)
- Black (56%)




- Cyan (87%)
- Magenta (56%)
- Yellow (63%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 12.9766, 0.2503, 0.3763 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 12.9766, 0.2503, 0.3763 by changing the saturation by 10% instead.


 12.9766, 0.2503,
0.3763


 12.9766, 0.2503,
0.3763


 210.7676, 0.2881,
0.3473


 7.4124, 0.2375,
0.3864


 31.2617, 0.2662,
0.3640


 3.7213, 0.2184,
0.4019

 44.7515, 0.2714,
0.3599

 1.5189, 0.1831,
0.4305

 61.6519, 0.2756,
0.3567

 0.3020, 0.0000,
0.7275

 82.3474, 0.2790,
0.3541

 0.0000, 0.0000,
0.0000

 107.2223, 0.2819,
0.3520

 136.6611, 0.2843,

0.3501

171.0480, 0.2863,
0.3486

■ 12.9766, 0.2503,
0.3763

■ 12.9766, 0.2503,
0.3763

■ 12.7693, 0.2469,
0.3843

■ 13.2496, 0.2555,
0.3684

■ 12.6198, 0.2452,
0.3923

■ 13.5926, 0.2623,
0.3608

■ 12.5035, 0.2446,
0.4004

■ 14.0108, 0.2705,
0.3535

■ 12.5020, 0.2446,
0.4005

■ 14.5090, 0.2799,
0.3467

■ 15.0913, 0.2903,
0.3402

■ 15.7615, 0.3013,
0.3343

■ 16.5234, 0.3129,
0.3289

■ 17.3802, 0.3246,
0.3241

■ 18.3353, 0.3365,
0.3197

Harmonies

Analogous

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



12.9766, 0.3045, 0.4266



12.9766, 0.2503, 0.3763



12.9766, 0.2149, 0.3135

Triad

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



12.9766, 0.2503, 0.3763



12.9766, 0.2553, 0.2350



12.9766, 0.4344, 0.3766

Complementary

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



12.9766, 0.2503, 0.3763



4.9057, 0.4796, 0.2940

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.



12.9766, 0.4207, 0.3296



12.9766, 0.2503, 0.3763



12.9766, 0.3115, 0.2523

Square

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



12.9766, 0.2503, 0.3763



12.9766, 0.2180, 0.2380



12.9766, 0.3737, 0.2858



12.9766, 0.4122, 0.4182

Rectangle

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



12.9766, 0.2503, 0.3763



12.9766, 0.2049, 0.2781



12.9766, 0.3737, 0.2858



12.9766, 0.4340, 0.3611

Sweetspot

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



12.9771, 0.2503, 0.3763



26.8371, 0.2885, 0.3413



12.6683, 0.3199, 0.5309



6.1551, 0.2863, 0.3426



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.



12.9771, 0.2503, 0.3763



22.6845, 0.2456, 0.3894



9.1779, 0.2219, 0.2728



3.8028, 0.3023, 0.3338



14.1789, 0.2447, 0.4010



70.4960, 0.2460, 0.4054

Inverse Universe

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



4.9057, 0.4796, 0.2940



7.1739, 0.5417, 0.2959



6.3684, 0.4942, 0.3716



3.4128, 0.3242, 0.3242



4.0630, 0.5910, 0.3029



20.1271, 0.6037, 0.3099

Previews

White Background



This preview shows how the Yxy color 12.9766, 0.2503, 0.3763 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 12.9766, 0.2503, 0.3763 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

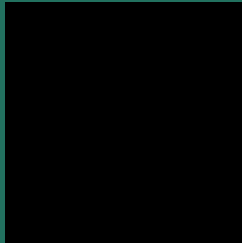
Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

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

Yxy 12.9766, 0.2503, 0.3763

Background



This preview shows how black text looks on a background with the Yxy color 12.9766, 0.2503, 0.3763.



This preview shows how white text looks on a background with the Yxy color 12.9766, 0.2503, 0.3763.

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

12.9766, 0.2503, 0.3763

Protanopia

12.8222, 0.3370, 0.3558

Deuteranopia

12.8107, 0.3326, 0.3269



Tritanopia

13.0417, 0.2352, 0.3071

Trichromacy



Original Color

12.9766, 0.2503, 0.3763

Protanomaly

12.5207, 0.2949, 0.3633

Deuteranomaly

12.4026, 0.2928, 0.3433

Tritanomaly

12.9661, 0.2405, 0.3313

Monochromacy



Original Color

12.9766, 0.2503, 0.3763

Achromatopsia

9.5307, 0.3127, 0.3290

Achromatomaly

10.3329, 0.2807, 0.3448

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.9766, 0.2503, 0.3763 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(34, 113, 95)` looks like.

```
.text, #text, p{  
    color:rgb(34, 113, 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(34, 113, 95) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(34, 113, 95) }
```

Border

The CSS property to change the border of an element to Yxy 12.9766, 0.2503, 0.3763 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(34, 113, 95) }
```

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

```
.border{ border-color:rgb(34, 113, 95) }
```

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

Here you see how a box with a 4 pixel `rgb(34, 113, 95)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(34, 113, 95); -webkit-box-  
shadow:4px 4px 4px 4px rgb(34, 113, 95);  
box-shadow:4px 4px 4px 4px rgb(34, 113,  
95) }
```


Background

The CSS property to change the background color of an element to Yxy 12.9766, 0.2503, 0.3763 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(34, 113, 95) }
```

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

```
.background{ background-color: rgb(34, 113,  
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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