

Converting Colors

$Y_{xy}(10.6222, 0.2554, 0.3712)$

Have a look what the booklet for
 $Y_{xy}(10.6222, 0.2554, 0.3712)$
contains.

$Y_{xy}(10.6222, 0.2554, 0.3712)$	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(10.6222, 0.2554, 0.3712)

Conversions

Conversions Part 1

Format	Color
Hex	276657
RGB	39, 102, 87
RGB Percent	15%, 40%, 34%
CMY	0.8471, 0.6000, 0.6588
CMYK	0.62, 0.00, 0.15, 0.60
HSL	166°, 45%, 28%
HSV	166°, 62%, 40%
XYZ	7.3085, 10.6222, 10.6852
YIQ	81.4530, -32.7330, -18.0210

Conversions

Conversions Part 2

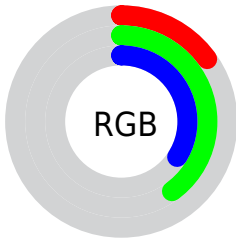
Format	Color
R_{YB}	39, 75, 102
Decimal	2582103
CIE _{Lab}	38.94, -24.18, 2.47
CIE _{LCh}	39, 24.304, 174.173
Yxy	10.6222, 0.2554, 0.3712
Android (android.graphics.Color)	4280772183 (0xFF276657)
YUV	81.4530, 2.7347, -37.2313
Hunter-Lab	32.5917, -17.0080, 3.3760

Details

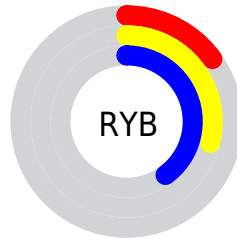
The Yxy color **10.6222, 0.2554, 0.3712** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **4.5413, 0.4457, 0.2946**, and the grayscale version is **8.3220, 0.3127, 0.3290**.

A 20% lighter version of the original color is **26.8128, 0.2703, 0.3584**, and **2.8055, 0.2418, 0.3906** is the 20% darker color. If you saturate the color by 10%, you get **10.4106, 0.2505, 0.3794**, and if you desaturate by 10%, it is **10.8895, 0.2618, 0.3633**.

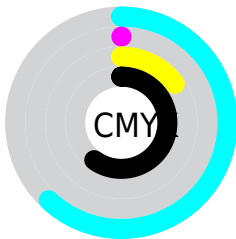
Distribution



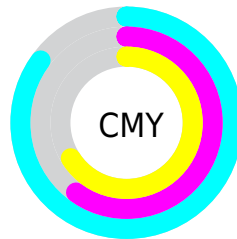
- Red (15%)
- Green (40%)
- Blue (34%)



- Red (15%)
- Yellow (29%)
- Blue (40%)



- Cyan (62%)
- Magenta (0%)
- Yellow (15%)
- Black (60%)





- Cyan (85%)
- Magenta (60%)
- Yellow (66%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 10.6222, 0.2554, 0.3712 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 10.6222, 0.2554, 0.3712 by changing the saturation by 10% instead.


 10.6222, 0.2554,
0.3712


 10.6222, 0.2554,
0.3712


 195.0569, 0.2910,
0.3447


 5.8134, 0.2427,
0.3809

 26.9594, 0.2707,
0.3597


 2.7320, 0.2229,
0.3964


 39.2566, 0.2757,
0.3560

 0.9934, 0.1557,
0.4419

 54.8187, 0.2796,
0.3531

 0.0000, 0.0000,
0.0000

 74.0301, 0.2827,
0.3508

 97.2753, 0.2853,
0.3488

 124.9385, 0.2875,

0.3472

157.4043, 0.2894,
0.3459

■ 10.6222, 0.2554,
0.3712

■ 10.6222, 0.2554,
0.3712

■ 10.4106, 0.2505,
0.3794

■ 10.8895, 0.2618,
0.3633

■ 10.2492, 0.2474,
0.3876

■ 11.2153, 0.2697,
0.3557

■ 10.1326, 0.2460,
0.3960

■ 11.6034, 0.2788,
0.3485

■ 10.0495, 0.2453,
0.4029

■ 12.0573, 0.2888,
0.3418

■ 12.5799, 0.2995,
0.3356

■ 13.1741, 0.3107,
0.3300

■ 13.8426, 0.3222,
0.3248

■ 14.5879, 0.3337,
0.3202

■ 15.4126, 0.3452,
0.3161

Harmonies

Analogous

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



10.6222, 0.3051, 0.4166



10.6222, 0.2554, 0.3712



10.6222, 0.2228, 0.3148

Triad

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



10.6222, 0.2554, 0.3712



10.6222, 0.2609, 0.2426



10.6222, 0.4236, 0.3741

Complementary

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



10.6222, 0.2554, 0.3712



4.5413, 0.4457, 0.2946

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.



10.6222, 0.4112, 0.3307



10.6222, 0.2554, 0.3712



10.6222, 0.3126, 0.2587

Square

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



10.6222, 0.2554, 0.3712



10.6222, 0.2260, 0.2454



10.6222, 0.3690, 0.2900



10.6222, 0.4035, 0.4115

Rectangle

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



10.6222, 0.2554, 0.3712



10.6222, 0.2135, 0.2826



10.6222, 0.3690, 0.2900



10.6222, 0.4232, 0.3598

Sweetspot

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



10.6226, 0.2554, 0.3712



21.3389, 0.2911, 0.3404



10.4545, 0.3224, 0.5046



4.9920, 0.2890, 0.3417



53.8236, 0.3127, 0.3290



5.4972, 0.3127, 0.3290

Same Dimension

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



10.6226, 0.2554, 0.3712



18.1238, 0.2490, 0.3830



8.0858, 0.2313, 0.2842



3.1746, 0.3027, 0.3339



12.9002, 0.2456, 0.4040



67.1407, 0.2469, 0.4089

Inverse Universe

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



4.5413, 0.4457, 0.2946



6.4291, 0.4974, 0.2919



5.6792, 0.4641, 0.3661



2.8561, 0.3238, 0.3241



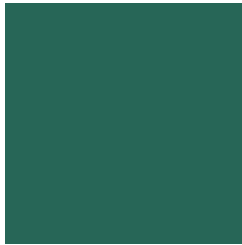
3.7084, 0.5868, 0.3006



19.2231, 0.6006, 0.3082

Previews

White Background



This preview shows how the Yxy color 10.6222, 0.2554, 0.3712 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 10.6222, 0.2554, 0.3712 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

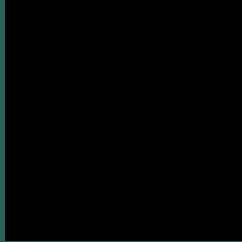
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 10.6222, 0.2554, 0.3712

Background



This preview shows how black text looks on a background with the Yxy color 10.6222, 0.2554, 0.3712.



This preview shows how white text looks on a background with the Yxy color 10.6222, 0.2554, 0.3712.

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

10.6222, 0.2554, 0.3712

Protanopia

10.5091, 0.3344, 0.3533

Deuteranopia

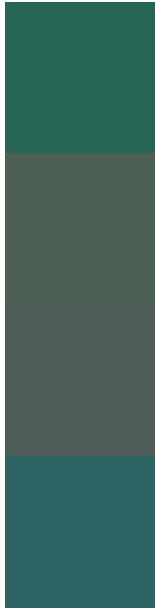
10.4843, 0.3311, 0.3244



Tritanopia

10.5896, 0.2410, 0.3079

Trichromacy



Original Color

10.6222, 0.2554, 0.3712

Protanomaly

10.3048, 0.2993, 0.3605

Deuteranomaly

10.1697, 0.2955, 0.3393

Tritanomaly

10.5699, 0.2456, 0.3288

Monochromacy



Original Color

10.6222, 0.2554, 0.3712

Achromatopsia

8.2283, 0.3127, 0.3290

Achromatomaly

8.9275, 0.2858, 0.3457

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.6222, 0.2554, 0.3712 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(39, 102, 87)` looks like.

```
.text, #text, p{  
  color:rgb(39, 102, 87)  
}
```

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(39, 102, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(39, 102, 87) }
```

Border

The CSS property to change the border of an element to Yxy 10.6222, 0.2554, 0.3712 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(39, 102, 87) }
```

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

```
.border{ border-color:rgb(39, 102, 87) }
```

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

Here you see how a box with a 4 pixel `rgb(39, 102, 87)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(39, 102, 87); -webkit-box-  
shadow:4px 4px 4px 4px rgb(39, 102, 87);  
box-shadow:4px 4px 4px 4px rgb(39, 102,  
87) }
```


Background

The CSS property to change the background color of an element to Yxy 10.6222, 0.2554, 0.3712 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(39, 102, 87) }
```

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

```
.background{ background-color: rgb(39, 102,  
87) }
```

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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