

Converting Colors

$Y_{xy}(22.7677, 0.3155, 0.3770)$

Have a look what the booklet for
Yxy(22.7677, 0.3155, 0.3770)
contains.

Yxy(22.7520, 0.3159, 0.3780)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(22.7520, 0.3159, 0.3780)

Conversions

Conversions Part 1

Format	Color
Hex	74896F
RGB	116, 137, 111
RGB Percent	45%, 54%, 44%
CMY	0.5452, 0.4627, 0.5648
CMYK	0.15, 0.00, 0.19, 0.46
HSL	109°, 10%, 49%
HSV	109°, 19%, 54%
XYZ	19.0142, 22.7520, 18.4243
YIQ	127.7570, -4.1700, -12.5380

Conversions

Conversions Part 2

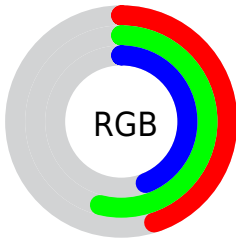
Format	Color
RYB	111, 137, 132
Decimal	7637359
CIELab	54.82, -12.81, 11.47
CIELCh	55, 17.202, 138.158
Yxy	22.7520, 0.3159, 0.3780
Android (android.graphics.Color)	4285827439 (0xFF74896F)
YUV	127.7570, -8.2612, -10.3109
Hunter-Lab	47.6991, -12.3183, 10.4879

Details

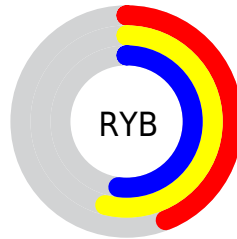
The Yxy color $22.7520, 0.3159, 0.3780$ is a dark color, and the websafe version is hex 999966 . A complement of this color would be $18.0799, 0.3085, 0.2829$, and the grayscale version is $21.5267, 0.3127, 0.3290$.

A 20% lighter version of the original color is $47.7961, 0.3151, 0.3658$, and $8.3686, 0.3159, 0.3993$ is the 20% darker color. If you saturate the color by 10%, you get $21.7599, 0.3172, 0.4076$, and if you desaturate by 10%, it is $23.8829, 0.3143, 0.3510$.

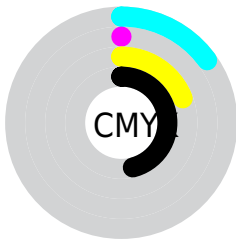
Distribution



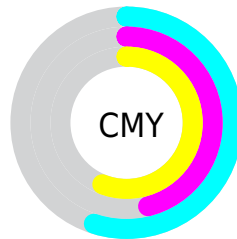
- Red (45%)
- Green (54%)
- Blue (44%)



- Red (44%)
- Yellow (54%)
- Blue (52%)



- Cyan (15%)
- Magenta (0%)
- Yellow (19%)
- Black (46%)





- Cyan (55%)
- Magenta (46%)
- Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.7520, 0.3159, 0.3780 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 22.7520, 0.3159, 0.3780 by changing the saturation by 10% instead.


 22.7520, 0.3159,
0.3780


 22.7520, 0.3159,
0.3780


266.4486, 0.3145,
0.3499


 14.4105, 0.3161,
0.3866


 47.9858, 0.3155,
0.3667


 8.4067, 0.3163,
0.3988


 65.6469, 0.3153,
0.3629

 4.3563, 0.3162,
0.4174

 87.1832, 0.3151,
0.3597

 1.8748, 0.3150,
0.4493

 112.9793, 0.3149,
0.3571

 0.5332, 0.2667,
0.7333

143.4195, 0.3148,
0.3549

 0.0000, 0.0000,
0.0000

178.8882, 0.3147,

0.3530

219.7698, 0.3146,
0.3513

■ 22.7520, 0.3159,
0.3780

■ 22.7520, 0.3159,
0.3780

■ 21.7599, 0.3172,
0.4076

■ 23.8829, 0.3143,
0.3510

■ 20.8983, 0.3181,
0.4393

■ 25.1545, 0.3125,
0.3267

■ 20.1626, 0.3183,
0.4721

■ 26.5727, 0.3107,
0.3052

■ 19.5468, 0.3178,
0.5044

■ 28.1418, 0.3088,
0.2862

■ 19.0443, 0.3164,
0.5344

■ 29.8663, 0.3070,
0.2697

■ 18.6480, 0.3140,
0.5600

■ 31.7502, 0.3053,
0.2552

■ 18.3497, 0.3109,
0.5793

■ 33.7975, 0.3036,
0.2425

■ 18.1354, 0.3078,
0.5927

■ 36.0121, 0.3021,
0.2314

■ 18.1173, 0.3075,
0.5940

■ 38.3977, 0.3006,
0.2217

Harmonies

Analogous

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



22.7520, 0.3455, 0.3833



22.7520, 0.3159, 0.3780



22.7520, 0.2864, 0.3573

Triad

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



22.7520, 0.3159, 0.3780



22.7520, 0.2606, 0.2839



22.7520, 0.3629, 0.3265

Complementary

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



22.7520, 0.3159, 0.3780



18.0799, 0.3085, 0.2829

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.



22.7520, 0.3381, 0.3028



22.7520, 0.3159, 0.3780



22.7520, 0.2791, 0.2787

Square

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



22.7520, 0.3159, 0.3780



22.7520, 0.2555, 0.3016



22.7520, 0.3071, 0.2856



22.7520, 0.3735, 0.3518

Rectangle

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



22.7520, 0.3159, 0.3780



22.7520, 0.2707, 0.3383



22.7520, 0.3071, 0.2856



22.7520, 0.3558, 0.3181

Sweetspot

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



22.7530, 0.3159, 0.3780



43.3880, 0.3138, 0.3437



22.9166, 0.3417, 0.3657



9.7051, 0.3139, 0.3451



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.



22.7530, 0.3159, 0.3780



39.9073, 0.3165, 0.3911



22.5999, 0.3027, 0.3635



5.6514, 0.3143, 0.3514



16.8777, 0.3077, 0.5939



0.1170, 0.3319, 0.5747

Inverse Universe

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



18.0799, 0.3085, 0.2829



29.8692, 0.3072, 0.2714



18.2757, 0.3245, 0.2968



5.0814, 0.3109, 0.3072



4.8198, 0.2741, 0.1284



0.0378, 0.2981, 0.1416

Previews

White Background



This preview shows how the Yxy color 22.7520, 0.3159, 0.3780 looks on a white 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

Black Background



This preview shows how the Yxy color 22.7520, 0.3159, 0.3780 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

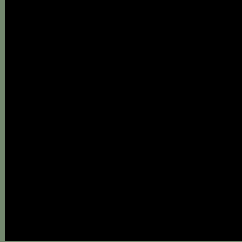
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 22.7520, 0.3159, 0.3780

Background



This preview shows how black text looks on a background with the Yxy color 22.7520, 0.3159, 0.3780.



This preview shows how white text looks on a background with the Yxy color 22.7520, 0.3159, 0.3780.

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

22.7520, 0.3159, 0.3780

Protanopia

22.7186, 0.3466, 0.3696

Deuteranopia

22.5980, 0.3575, 0.3510



Tritanopia

22.8232, 0.2895, 0.3113

Trichromacy



Original Color

22.7520, 0.3159, 0.3780

Protanomaly

22.6250, 0.3351, 0.3725

Deuteranomaly

22.5384, 0.3423, 0.3607

Tritanomaly

22.6108, 0.2992, 0.3344

Monochromacy



Original Color

22.7520, 0.3159, 0.3780

Achromatopsia

21.5861, 0.3127, 0.3290

Achromatomaly

21.9228, 0.3142, 0.3455

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.7520, 0.3159, 0.3780 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(116, 137, 111)` looks like.

```
.text, #text, p{  
    color:rgb(116, 137, 111)  
}
```

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(116, 137, 111) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 137, 111) }
```

Border

The CSS property to change the border of an element to Yxy 22.7520, 0.3159, 0.3780 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(116, 137, 111) }
```

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

```
.border{ border-color:rgb(116, 137, 111) }
```

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

Here you see how a box with a 4 pixel `rgb(116, 137, 111)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 137, 111); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 137, 111);  
box-shadow:4px 4px 4px 4px rgb(116, 137,  
111) }
```


Background

The CSS property to change the background color of an element to Yxy 22.7520, 0.3159, 0.3780 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 137, 111) }
```

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

```
.background{ background-color: rgb(116,  
137, 111) }
```

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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