

Converting Colors

$Y_{xy}(23.2289, 0.3301, 0.4142)$

Have a look what the booklet for
Yxy(23.2289, 0.3301, 0.4142)
contains.

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Color

Yxy(23.2272, 0.3302, 0.4142)

Conversions

Conversions Part 1

Format	Color
Hex	738C5F
RGB	115, 140, 95
RGB Percent	45%, 55%, 37%
CMY	0.5489, 0.4510, 0.6275
CMYK	0.18, 0.00, 0.32, 0.45
HSL	93°, 19%, 46%
HSV	93°, 32%, 55%
XYZ	18.5167, 23.2272, 14.3333
YIQ	127.3950, -0.4550, -19.2950

Conversions

Conversions Part 2

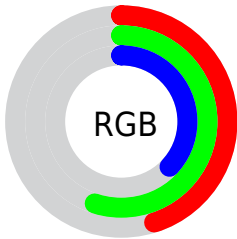
Format	Color
R_{YB}	95, 140, 120
Decimal	7572575
CIE _{Lab}	55.31, -17.50, 21.20
CIE _{LCh}	55, 27.489, 129.535
Y _{xy}	23.2272, 0.3302, 0.4142
Android (android.graphics.Color)	4285762655 (0xFF738C5F)
Y _{UV}	127.3950, -15.9707, -10.8704
Hunter-Lab	48.1946, -15.7596, 16.1030

Details

The Yxy color $23.2272, 0.3302, 0.4142$ is a dark color, and the websafe version is hex 669966 . A complement of this color would be $14.0682, 0.2892, 0.2456$, and the grayscale version is $21.4248, 0.3127, 0.3290$.

A 20% lighter version of the original color is $48.9837, 0.3273, 0.3946$, and $8.6840, 0.3343, 0.4510$ is the 20% darker color. If you saturate the color by 10%, you get $22.4913, 0.3346, 0.4438$, and if you desaturate by 10%, it is $24.0553, 0.3251, 0.3857$.

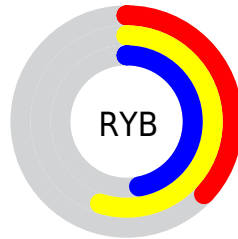
Distribution



Red (45%)

Green (55%)

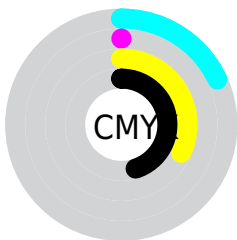
Blue (37%)



Red (37%)

Yellow (55%)

Blue (47%)

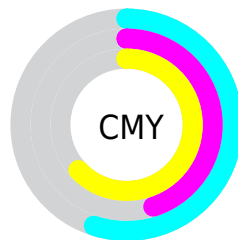


Cyan (18%)

Magenta (0%)

Yellow (32%)

Black (45%)



Cyan (55%)

Magenta (45%)


Yellow (63%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.2272, 0.3302, 0.4142 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 23.2272, 0.3302, 0.4142 by changing the saturation by 10% instead.


 23.2272, 0.3302,
0.4142


 23.2272, 0.3302,
0.4142


268.8898, 0.3215,
0.3651

 14.7614, 0.3321,
0.4292


 48.7661, 0.3272,
0.3945


 8.6521, 0.3342,
0.4503


 66.6080, 0.3260,
0.3877

 4.5149, 0.3360,
0.4821

 88.3440, 0.3249,
0.3822

 1.9656, 0.3460,
0.5521

 114.3585, 0.3241,
0.3776

 0.5874, 0.1825,
0.8175

145.0360, 0.3233,
0.3737

 0.0000, 0.0000,
0.0000

180.7607, 0.3226,

0.3704

221.9172, 0.3220,
0.3676

■ 23.2272, 0.3302,
0.4142

■ 23.2272, 0.3302,
0.4142

■ 22.4913, 0.3346,
0.4438

■ 24.0553, 0.3251,
0.3857

■ 21.8410, 0.3379,
0.4734

■ 24.9758, 0.3196,
0.3588

■ 21.2735, 0.3398,
0.5018

■ 25.9929, 0.3139,
0.3340

■ 20.7846, 0.3400,
0.5274

■ 27.1096, 0.3083,
0.3115

■ 20.3697, 0.3382,
0.5489

■ 28.3287, 0.3028,
0.2911

■ 20.0236, 0.3345,
0.5651

■ 29.6529, 0.2976,
0.2729

■ 19.7896, 0.3310,
0.5754

■ 31.0849, 0.2927,
0.2566

■ 32.6271, 0.2881,
0.2422

■ 34.2819, 0.2838,
0.2293

Harmonies

Analogous

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



23.2272, 0.3749, 0.4124



23.2272, 0.3302, 0.4142



23.2272, 0.2829, 0.3870

Triad

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



23.2272, 0.3302, 0.4142



23.2272, 0.2280, 0.2638



23.2272, 0.3831, 0.3128

Complementary

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



23.2272, 0.3302, 0.4142



14.0682, 0.2892, 0.2456

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.



23.2272, 0.3385, 0.2797



23.2272, 0.3302, 0.4142



23.2272, 0.2500, 0.2517

Square

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



23.2272, 0.3302, 0.4142



23.2272, 0.2263, 0.2950



23.2272, 0.2895, 0.2579



23.2272, 0.4077, 0.3511

Rectangle

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



23.2272, 0.3302, 0.4142



23.2272, 0.2562, 0.3571



23.2272, 0.2895, 0.2579



23.2272, 0.3698, 0.3009

Sweetspot

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



23.2282, 0.3302, 0.4142



44.3689, 0.3185, 0.3539



19.7737, 0.3695, 0.3734



10.1742, 0.3192, 0.3570



71.0566, 0.3127, 0.3290



10.6539, 0.3127, 0.3290

Same Dimension

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



23.2282, 0.3302, 0.4142



39.9431, 0.3337, 0.4369



22.0557, 0.3064, 0.4154



5.7101, 0.3179, 0.3511



17.5964, 0.3313, 0.5751



0.1254, 0.3660, 0.5476

Inverse Universe

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



14.0682, 0.2892, 0.2456



21.0332, 0.2819, 0.2240



15.5871, 0.3193, 0.2556



5.0201, 0.3071, 0.3070



3.1213, 0.2160, 0.0963



0.0294, 0.2623, 0.1218

Previews

White Background



This preview shows how the Yxy color 23.2272, 0.3302, 0.4142 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 23.2272, 0.3302, 0.4142 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

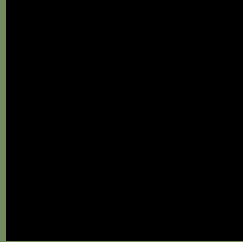
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

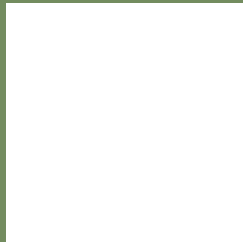
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 23.2272, 0.3302, 0.4142

Background



This preview shows how black text looks on a background with the Yxy color 23.2272, 0.3302, 0.4142.



This preview shows how white text looks on a background with the Yxy color 23.2272, 0.3302, 0.4142.

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

23.2272, 0.3302, 0.4142

Protanopia

23.1149, 0.3704, 0.3980

Deuteranopia

23.1285, 0.3827, 0.3766



Tritanopia

23.2014, 0.2897, 0.3114

Trichromacy



Original Color

23.2272, 0.3302, 0.4142

Protanomaly

23.1048, 0.3553, 0.4042

Deuteranomaly

23.0283, 0.3623, 0.3900

Tritanomaly

23.0366, 0.3042, 0.3473

Monochromacy



Original Color

23.2272, 0.3302, 0.4142

Achromatopsia

21.2231, 0.3127, 0.3290

Achromatomaly

21.9513, 0.3205, 0.3605

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.2272, 0.3302, 0.4142 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(115, 140, 95)` looks like.

```
.text, #text, p{  
    color:rgb(115, 140, 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(115, 140, 95) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(115, 140, 95) }
```

Border

The CSS property to change the border of an element to Yxy 23.2272, 0.3302, 0.4142 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(115, 140, 95) }
```

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

```
.border{ border-color:rgb(115, 140, 95) }
```

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

Here you see how a box with a 4 pixel `rgb(115, 140, 95)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(115, 140, 95); -webkit-box-  
shadow:4px 4px 4px 4px rgb(115, 140, 95);  
box-shadow:4px 4px 4px 4px rgb(115, 140,  
95) }
```


Background

The CSS property to change the background color of an element to Yxy 23.2272, 0.3302, 0.4142 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(115, 140, 95) }
```

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

```
.background{ background-color: rgb(115,  
140, 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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