

Converting Colors

$Y_{xy}(21.9527, 0.3370, 0.4279)$

Have a look what the booklet for
Yxy(21.9527, 0.3370, 0.4279)
contains.

Yxy(22.0080, 0.3364, 0.4277)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

$\text{Yxy}(22.0080, 0.3364, 0.4277)$

Conversions

Conversions Part 1

Format	Color
Hex	708956
RGB	112, 137, 86
RGB Percent	44%, 54%, 34%
CMY	0.5607, 0.4628, 0.6628
CMYK	0.18, 0.00, 0.37, 0.46
HSL	89°, 23%, 44%
HSV	89°, 37%, 54%
XYZ	17.3100, 22.0080, 12.1386
YIQ	123.7110, 1.4710, -21.1610

Conversions

Conversions Part 2

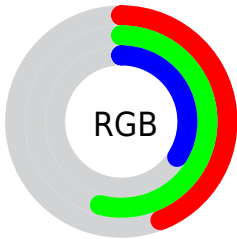
Format	Color
R_{YB}	86, 137, 111
Decimal	7375190
CIE _{Lab}	54.04, -18.46, 24.49
CIE _{LCh}	54, 30.672, 127.007
Yxy	22.0080, 0.3364, 0.4277
Android (android.graphics.Color)	4285565270 (0xFF708956)
YUV	123.7110, -18.5915, -10.2705
Hunter-Lab	46.9127, -16.2336, 17.4976

Details

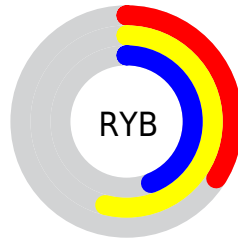
The Yxy color $22.0080, 0.3364, 0.4277$ is a dark color, and the websafe version is hex 669966 . A complement of this color would be $11.8383, 0.2799, 0.2302$, and the grayscale version is $20.1194, 0.3127, 0.3290$.

A 20% lighter version of the original color is $46.4970, 0.3321, 0.4046$, and $8.0264, 0.3413, 0.4689$ is the 20% darker color. If you saturate the color by 10%, you get $21.3850, 0.3413, 0.4566$, and if you desaturate by 10%, it is $22.7080, 0.3305, 0.3992$.

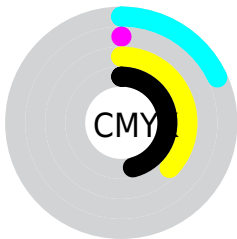
Distribution



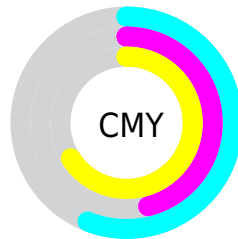
- Red (44%)
- Green (54%)
- Blue (34%)



- Red (34%)
- Yellow (54%)
- Blue (44%)



- Cyan (18%)
- Magenta (0%)
- Yellow (37%)
- Black (46%)





- Cyan (56%)
- Magenta (46%)
- Yellow (66%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.0080, 0.3364, 0.4277 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 22.0080, 0.3364, 0.4277 by changing the saturation by 10% instead.


 22.0080, 0.3364,
0.4277


 22.0080, 0.3364,
0.4277


262.5880, 0.3245,
0.3704


 13.8628, 0.3390,
0.4453


 46.7592, 0.3322,
0.4046


 8.0253, 0.3417,
0.4703


 64.1340, 0.3306,
0.3966

 4.1111, 0.3437,
0.5078

 85.3541, 0.3292,
0.3902

 1.7359, 0.3746,
0.6254

 110.8039, 0.3280,
0.3848

 0.4468, 0.0000,
1.0000

 140.8678, 0.3270,
0.3804

 0.0000, 0.0000,
0.0000

175.9302, 0.3260,

0.3765

216.3755, 0.3252,
0.3732

■ 22.0080, 0.3364,
0.4277

■ 22.0080, 0.3364,
0.4277

■ 21.3850, 0.3413,
0.4566

■ 22.7080, 0.3305,
0.3992

■ 20.8331, 0.3450,
0.4847

■ 23.4851, 0.3242,
0.3719

■ 20.3497, 0.3469,
0.5108


■ 24.3429, 0.3175,
0.3463


■ 19.9312, 0.3468,
0.5334


■ 25.2841, 0.3109,
0.3227

■ 19.5732, 0.3447,
0.5515


■ 26.3112, 0.3044,
0.3011


 19.2684, 0.3408,
0.5649

 27.4264, 0.2982,
0.2817

 19.1899, 0.3397,
0.5685

 28.6321, 0.2923,
0.2642

 29.9305, 0.2867,
0.2486

 31.3235, 0.2816,
0.2347

Harmonies

Analogous

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



22.0080, 0.3861, 0.4218



22.0080, 0.3364, 0.4277



22.0080, 0.2828, 0.3994

Triad

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



22.0080, 0.3364, 0.4277



22.0080, 0.2166, 0.2573



22.0080, 0.3891, 0.3069

Complementary

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



22.0080, 0.3364, 0.4277



11.8383, 0.2799, 0.2302

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.



22.0080, 0.3369, 0.2711



22.0080, 0.3364, 0.4277



22.0080, 0.2392, 0.2425

Square

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



22.0080, 0.3364, 0.4277



22.0080, 0.2165, 0.2936



22.0080, 0.2818, 0.2481



22.0080, 0.4195, 0.3493

Rectangle

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



22.0080, 0.3364, 0.4277



22.0080, 0.2521, 0.3656



22.0080, 0.2818, 0.2481



22.0080, 0.3733, 0.2939

Sweetspot

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



22.0090, 0.3364, 0.4277



42.9612, 0.3202, 0.3563



17.2819, 0.3824, 0.3746



9.5965, 0.3210, 0.3593



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.



22.0090, 0.3364, 0.4277



38.4294, 0.3408, 0.4530



20.5812, 0.3085, 0.4367



5.7255, 0.3188, 0.3511



17.8833, 0.3399, 0.5683



0.1275, 0.3735, 0.5416

Inverse Universe

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



11.8383, 0.2799, 0.2302



17.3633, 0.2698, 0.2048



13.7076, 0.3156, 0.2401



5.0046, 0.3062, 0.3069



2.8034, 0.2030, 0.0892



0.0273, 0.2518, 0.1161

Previews

White Background



This preview shows how the Yxy color 22.0080, 0.3364, 0.4277 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 22.0080, 0.3364, 0.4277 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

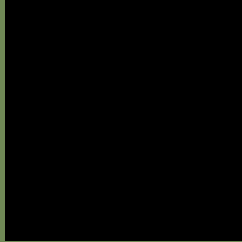
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 22.0080, 0.3364, 0.4277

Background



This preview shows how black text looks on a background with the Yxy color 22.0080, 0.3364, 0.4277.



This preview shows how white text looks on a background with the Yxy color 22.0080, 0.3364, 0.4277.

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

22.0080, 0.3364, 0.4277

Protanopia

21.9005, 0.3783, 0.4096

Deuteranopia

21.7572, 0.3935, 0.3854



Tritanopia

21.8814, 0.2902, 0.3092

Trichromacy



Original Color

22.0080, 0.3364, 0.4277

Protanomaly

21.8884, 0.3626, 0.4165

Deuteranomaly

21.6319, 0.3720, 0.3998

Tritanomaly

21.9374, 0.3072, 0.3514

Monochromacy



Original Color

22.0080, 0.3364, 0.4277

Achromatopsia

20.1556, 0.3127, 0.3290

Achromatomaly

20.8194, 0.3228, 0.3651

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.0080, 0.3364, 0.4277 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(112, 137, 86)` looks like.

```
.text, #text, p{  
    color:rgb(112, 137, 86)  
}
```

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(112, 137, 86) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 137, 86) }
```

Border

The CSS property to change the border of an element to Yxy 22.0080, 0.3364, 0.4277 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(112, 137, 86) }
```

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

```
.border{ border-color:rgb(112, 137, 86) }
```

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

Here you see how a box with a 4 pixel rgb(112, 137, 86) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 137, 86); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 137, 86);  
box-shadow:4px 4px 4px 4px rgb(112, 137,  
86) }
```


Background

The CSS property to change the background color of an element to Yxy 22.0080, 0.3364, 0.4277 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 137, 86) }
```

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

```
.background{ background-color: rgb(112,  
137, 86) }
```

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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