

Converting Colors

$Y_{xy}(22.3248, 0.3267, 0.4413)$

Have a look what the booklet for
Yxy(22.3248, 0.3267, 0.4413)
contains.

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Color

$\text{Yxy}(22.2210, 0.3260, 0.4401)$

Conversions

Conversions Part 1

Format	Color
Hex	668C54
RGB	102, 140, 84
RGB Percent	40%, 55%, 33%
CMY	0.5999, 0.4510, 0.6706
CMYK	0.27, 0.00, 0.40, 0.45
HSL	101°, 25%, 44%
HSV	101°, 40%, 55%
XYZ	16.4600, 22.2210, 11.8098
YIQ	122.2540, -4.6720, -25.4720

Conversions

Conversions Part 2

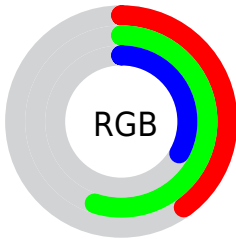
Format	Color
R_{YB}	84, 140, 122
Decimal	6720596
CIE _{Lab}	54.26, -24.15, 25.76
CIE _{LCh}	54, 35.309, 133.153
Yxy	22.2210, 0.3260, 0.4401
Android (android.graphics.Color)	4284910676 (0xFF668C54)
YUV	122.2540, -18.8592, -17.7628
Hunter-Lab	47.1392, -20.1651, 18.1435

Details

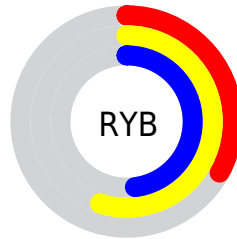
The Yxy color $22.2210, 0.3260, 0.4401$ is a dark color, and the websafe version is hex 669966 . A complement of this color would be $12.3708, 0.2914, 0.2263$, and the grayscale version is $19.6156, 0.3127, 0.3290$.

A 20% lighter version of the original color is $47.1748, 0.3244, 0.4145$, and $8.2028, 0.3267, 0.4910$ is the 20% darker color. If you saturate the color by 10%, you get $21.5005, 0.3278, 0.4714$, and if you desaturate by 10%, it is $23.0508, 0.3233, 0.4094$.

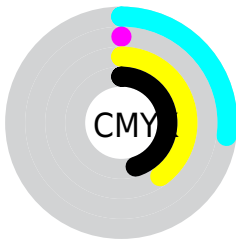
Distribution



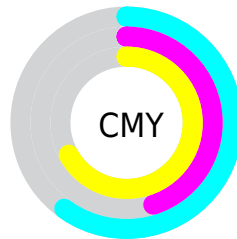
- Red (40%)
- Green (55%)
- Blue (33%)



- Red (33%)
- Yellow (55%)
- Blue (48%)



- Cyan (27%)
- Magenta (0%)
- Yellow (40%)
- Black (45%)





- Cyan (60%)
- Magenta (45%)
- Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.2210, 0.3260, 0.4401 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 22.2210, 0.3260, 0.4401 by changing the saturation by 10% instead.


 22.2210, 0.3260,
0.4401


 22.2210, 0.3260,
0.4401


263.6982, 0.3204,
0.3751


 14.0194, 0.3265,
0.4603


 47.1110, 0.3245,
0.4137


 8.1341, 0.3261,
0.4891


 64.5681, 0.3237,
0.4047


 4.1809, 0.3230,
0.5327

 85.8793, 0.3230,
0.3974

 1.7753, 0.3396,
0.6604

 111.4288, 0.3224,
0.3914

 0.4717, 0.0000,
1.0000

 141.6010, 0.3218,
0.3863

 0.0000, 0.0000,
0.0000

176.7804, 0.3213,

0.3820

217.3513, 0.3208,
0.3783

■ 22.2210, 0.3260,
0.4401

■ 22.2210, 0.3260,
0.4401

■ 21.5005, 0.3278,
0.4714

■ 23.0508, 0.3233,
0.4094

■ 20.8818, 0.3284,
0.5020

■ 23.9914, 0.3201,
0.3803

■ 20.3605, 0.3277,
0.5302


■ 25.0481, 0.3165,
0.3534

■ 19.9310, 0.3255,
0.5542


■ 26.2247, 0.3127,
0.3290

■ 19.5869, 0.3218,
0.5725

■ 27.5251, 0.3089,
0.3070

 19.3148, 0.3175,
0.5861

 28.9528, 0.3053,
0.2875

 19.3147, 0.3175,
0.5861

 30.5112, 0.3017,
0.2702

 32.2037, 0.2983,
0.2549

 34.0334, 0.2952,
0.2414

Harmonies

Analogous

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



22.2210, 0.3851, 0.4392



22.2210, 0.3260, 0.4401



22.2210, 0.2664, 0.3997

Triad

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



22.2210, 0.3260, 0.4401



22.2210, 0.2073, 0.2418



22.2210, 0.4103, 0.3126

Complementary

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



22.2210, 0.3260, 0.4401



12.3708, 0.2914, 0.2263

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.



22.2210, 0.3534, 0.2707



22.2210, 0.3260, 0.4401



22.2210, 0.2373, 0.2308

Square

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



22.2210, 0.3260, 0.4401



22.2210, 0.2019, 0.2773



22.2210, 0.2891, 0.2417



22.2210, 0.4379, 0.3606

Rectangle

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



22.2210, 0.3260, 0.4401



22.2210, 0.2344, 0.3574



22.2210, 0.2891, 0.2417



22.2210, 0.3936, 0.2976

Sweetspot

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



22.2220, 0.3260, 0.4401



43.7237, 0.3173, 0.3593



19.9714, 0.3821, 0.3955



10.0263, 0.3177, 0.3622



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.



22.2220, 0.3260, 0.4401



38.0248, 0.3277, 0.4683



21.4369, 0.2991, 0.4267



5.6813, 0.3162, 0.3513



17.1723, 0.3178, 0.5859



0.1213, 0.3504, 0.5600

Inverse Universe

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



12.3708, 0.2914, 0.2263



18.1499, 0.2849, 0.2026



13.5464, 0.3306, 0.2480



5.0497, 0.3090, 0.3071



3.8523, 0.2431, 0.1113



0.0335, 0.2806, 0.1319

Previews

White Background



This preview shows how the Yxy color 22.2210, 0.3260, 0.4401 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 22.2210, 0.3260, 0.4401 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

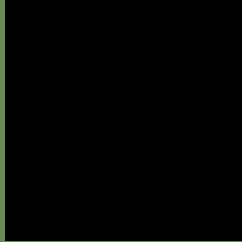
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 22.2210, 0.3260, 0.4401

Background



This preview shows how black text looks on a background with the Yxy color 22.2210, 0.3260, 0.4401.



This preview shows how white text looks on a background with the Yxy color 22.2210, 0.3260, 0.4401.

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

22.2210, 0.3260, 0.4401

Protanopia

21.9424, 0.3828, 0.4142

Deuteranopia

22.0884, 0.3953, 0.3883



Tritanopia

22.2334, 0.2794, 0.3090

Trichromacy



Original Color

22.2210, 0.3260, 0.4401

Protanomaly

21.8812, 0.3614, 0.4246

Deuteranomaly

21.8876, 0.3681, 0.4058

Tritanomaly

22.2016, 0.2964, 0.3556

Monochromacy



Original Color

22.2210, 0.3260, 0.4401

Achromatopsia

19.4618, 0.3127, 0.3290

Achromatomaly

20.4281, 0.3190, 0.3697

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.2210, 0.3260, 0.4401 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(102, 140, 84)` looks like.

```
.text, #text, p{  
  color:rgb(102, 140, 84)  
}
```

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(102, 140, 84) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 140, 84) }
```

Border

The CSS property to change the border of an element to Yxy 22.2210, 0.3260, 0.4401 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(102, 140, 84) }
```

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

```
.border{ border-color:rgb(102, 140, 84) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 140, 84)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 140, 84); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 140, 84);  
box-shadow:4px 4px 4px 4px rgb(102, 140,  
84) }
```


Background

The CSS property to change the background color of an element to Yxy 22.2210, 0.3260, 0.4401 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 140, 84) }
```

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

```
.background{ background-color: rgb(102,  
140, 84) }
```

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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