

Converting Colors

$Y_{xy}(22.8600, 0.3548, 0.5161)$

Have a look what the booklet for
Yxy(22.8600, 0.3548, 0.5161)
contains.

Yxy(22.8733, 0.3553, 0.5164)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(22.8733, 0.3553, 0.5164)

Conversions

Conversions Part 1

Format	Color
Hex	659029
RGB	101, 144, 41
RGB Percent	40%, 56%, 16%
CMY	0.6040, 0.4353, 0.8392
CMYK	0.30, 0.00, 0.72, 0.44
HSL	85°, 56%, 36%
HSV	85°, 72%, 56%
XYZ	15.7376, 22.8733, 5.6829
YIQ	119.4010, 7.4350, -41.1490

Conversions

Conversions Part 2

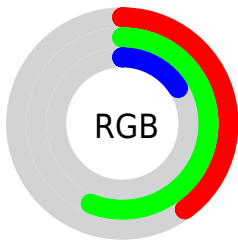
Format	Color
RYB	41, 144, 84
Decimal	6656041
CIELab	54.94, -31.22, 47.57
CIELCh	55, 56.902, 123.279
Yxy	22.8733, 0.3553, 0.5164
Android (android.graphics.Color)	4284846121 (0xFF659029)
YUV	119.4010, -38.6517, -16.1377
Hunter-Lab	47.8260, -24.9586, 26.4331

Details

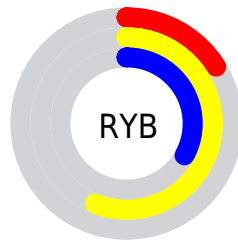
The Yxy color **22.8733, 0.3553, 0.5164** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **5.4864, 0.2263, 0.1309**, and the grayscale version is **18.7034, 0.3127, 0.3290**.

A 20% lighter version of the original color is **48.1470, 0.3512, 0.4739**, and **8.4571, 0.3433, 0.5656** is the 20% darker color. If you saturate the color by 10%, you get **22.4569, 0.3552, 0.5359**, and if you desaturate by 10%, it is **23.3539, 0.3532, 0.4929**.

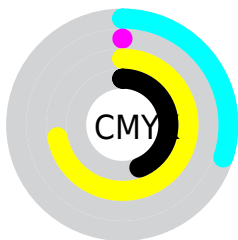
Distribution



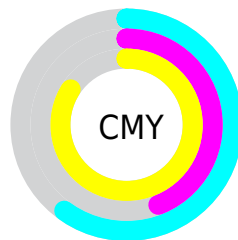
- Red (40%)
- Green (56%)
- Blue (16%)



- Red (16%)
- Yellow (56%)
- Blue (33%)



- Cyan (30%)
- Magenta (0%)
- Yellow (72%)
- Black (44%)




- Cyan (60%)
- Magenta (44%)
- Yellow (84%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 22.8733, 0.3553, 0.5164 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 22.8733, 0.3553, 0.5164 by changing the saturation by 10% instead.


 22.8733, 0.3553,
0.5164


 22.8733, 0.3553,
0.5164


 267.0736, 0.3383,
0.4086

 14.5000, 0.3556,
0.5468

 48.1852, 0.3513,
0.4742


 8.4692, 0.3520,
0.5867


 65.8926, 0.3490,
0.4591


 4.3966, 0.3464,
0.6536

 87.4801, 0.3468,
0.4468

 1.8978, 0.2991,
0.7009

 113.3321, 0.3448,
0.4366

 0.5471, 0.0000,
1.0000

 143.8331, 0.3429,
0.4280

 0.0000, 0.0000,
0.0000

 179.3674, 0.3412,

0.4206

220.3194, 0.3397,
0.4142

■ 22.8733, 0.3553,
0.5164

■ 22.8733, 0.3553,
0.5164

■ 22.4569, 0.3552,
0.5359

■ 23.3539, 0.3532,
0.4929

■ 22.0970, 0.3528,
0.5507

■ 23.8999, 0.3492,
0.4666

■ 21.8267, 0.3497,
0.5605

■ 24.5160, 0.3436,
0.4389

■ 25.2054, 0.3369,
0.4108

■ 25.9713, 0.3295,
0.3833

■ 26.8166, 0.3217,
0.3571

■ 27.7441, 0.3139,
0.3326

■ 28.7562, 0.3062,
0.3100

■ 29.8554, 0.2989,
0.2894

Harmonies

Analogous

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



22.8733, 0.4409, 0.4790



22.8733, 0.3553, 0.5164



22.8733, 0.2637, 0.4786

Triad

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



22.8733, 0.3553, 0.5164



22.8733, 0.1517, 0.2075



22.8733, 0.4416, 0.2786

Complementary

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



22.8733, 0.3553, 0.5164



5.4864, 0.2263, 0.1309

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.



22.8733, 0.3401, 0.2256



22.8733, 0.3553, 0.5164



22.8733, 0.1817, 0.1852

Square

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



22.8733, 0.3553, 0.5164



22.8733, 0.1536, 0.2684



22.8733, 0.2452, 0.1927



22.8733, 0.5029, 0.3429

Rectangle

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



22.8733, 0.3553, 0.5164



22.8733, 0.2114, 0.4106



22.8733, 0.2452, 0.1927



22.8733, 0.4098, 0.2592

Sweetspot

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



22.8743, 0.3553, 0.5164



45.8150, 0.3294, 0.3830



12.4184, 0.4831, 0.3982



10.4274, 0.3313, 0.3897



72.9347, 0.3127, 0.3290



11.2805, 0.3127, 0.3290

Same Dimension

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



22.8743, 0.3553, 0.5164



39.1962, 0.3539, 0.5457



20.7770, 0.3076, 0.5476



6.1746, 0.3199, 0.3512



19.0184, 0.3501, 0.5603



0.1948, 0.3814, 0.5354

Inverse Universe

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



5.4864, 0.2263, 0.1309



6.6177, 0.2039, 0.0981



8.7859, 0.3060, 0.1692



5.3582, 0.3051, 0.3067



2.6079, 0.1899, 0.0820



0.0374, 0.2396, 0.1094

Previews

White Background



This preview shows how the Yxy color 22.8733, 0.3553, 0.5164 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 22.8733, 0.3553, 0.5164 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

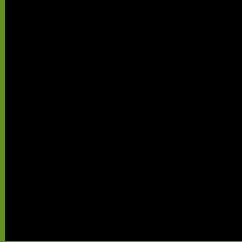
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 22.8733, 0.3553, 0.5164

Background



This preview shows how black text looks on a background with the Yxy color 22.8733, 0.3553, 0.5164.



This preview shows how white text looks on a background with the Yxy color 22.8733, 0.3553, 0.5164.

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

22.8733, 0.3553, 0.5164

Protanopia

22.5756, 0.4254, 0.4685

Deuteranopia

22.6672, 0.4452, 0.4393



Tritanopia

22.6719, 0.2806, 0.3092

Trichromacy



Original Color

22.8733, 0.3553, 0.5164

Protanomaly

22.5006, 0.3980, 0.4873

Deuteranomaly

22.2674, 0.4109, 0.4682

Tritanomaly

22.4897, 0.3121, 0.3888

Monochromacy



Original Color

22.8733, 0.3553, 0.5164

Achromatopsia

18.4475, 0.3127, 0.3290

Achromatomaly

19.6384, 0.3341, 0.4028

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.8733, 0.3553, 0.5164 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(101, 144, 41)` looks like.

```
.text, #text, p{  
    color:rgb(101, 144, 41)  
}
```

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(101, 144, 41) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(101, 144, 41) }
```

Border

The CSS property to change the border of an element to Yxy 22.8733, 0.3553, 0.5164 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(101, 144, 41) }
```

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

```
.border{ border-color:rgb(101, 144, 41) }
```

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

Here you see how a box with a 4 pixel `rgb(101, 144, 41)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(101, 144, 41); -webkit-box-  
shadow:4px 4px 4px 4px rgb(101, 144, 41);  
box-shadow:4px 4px 4px 4px rgb(101, 144,  
41) }
```


Background

The CSS property to change the background color of an element to Yxy 22.8733, 0.3553, 0.5164 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(101, 144, 41) }
```

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

```
.background{ background-color: rgb(101,  
144, 41) }
```

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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