

Converting Colors

$Y_{xy}(20.3587, 0.3681, 0.5173)$

Have a look what the booklet for
Yxy(20.3587, 0.3681, 0.5173)
contains.

Yxy(20.2570, 0.3677, 0.5170)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(20.2570, 0.3677, 0.5170)

Conversions

Conversions Part 1

Format	Color
Hex	668720
RGB	102, 135, 32
RGB Percent	40%, 53%, 13%
CMY	0.5999, 0.4706, 0.8745
CMYK	0.24, 0.00, 0.76, 0.47
HSL	79°, 62%, 33%
HSV	79°, 76%, 53%
XYZ	14.4072, 20.2570, 4.5177
YIQ	113.3910, 13.3950, -39.0290

Conversions

Conversions Part 2

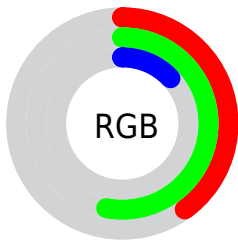
Format	Color
R_{YB}	32, 135, 65
Decimal	6719264
CIE _{Lab}	52.13, -27.06, 48.22
CIE _{LCh}	52, 55.292, 119.295
Yxy	20.2570, 0.3677, 0.5170
Android (android.graphics.Color)	4284909344 (0xFF668720)
YUV	113.3910, -40.1258, -9.9899
Hunter-Lab	45.0078, -21.6251, 25.5542

Details

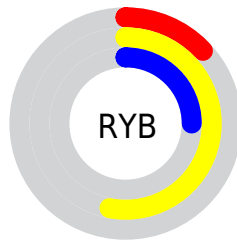
The Yxy color **20.2570, 0.3677, 0.5170** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **3.9057, 0.2062, 0.1140**, and the grayscale version is **16.7573, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.6745, 0.3618, 0.4746**, and **7.1751, 0.3542, 0.5569** is the 20% darker color. If you saturate the color by 10%, you get **19.9529, 0.3680, 0.5327**, and if you desaturate by 10%, it is **20.6062, 0.3651, 0.4971**.

Distribution



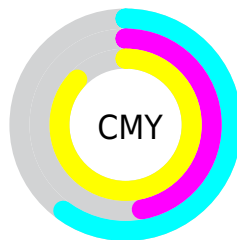
- Red (40%)
- Green (53%)
- Blue (13%)



- Red (13%)
- Yellow (53%)
- Blue (25%)



- Cyan (24%)
- Magenta (0%)
- Yellow (76%)
- Black (47%)




- Cyan (60%)
- Magenta (47%)
- Yellow (87%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 20.2570, 0.3677, 0.5170 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 20.2570, 0.3677, 0.5170 by changing the saturation by 10% instead.


 20.2570, 0.3677,
0.5170


 20.2570, 0.3677,
0.5170


 253.3030, 0.3437,
0.4083


 12.5820, 0.3693,
0.5474


 43.8476, 0.3613,
0.4744


 7.1413, 0.3687,
0.5899


 60.5321, 0.3580,
0.4593


 3.5507, 0.3565,
0.6435

 80.9884, 0.3549,
0.4468

 1.4255, 0.3016,
0.6984

 105.6011, 0.3522,
0.4365

 0.2354, 0.0000,
1.0000

 134.7545, 0.3497,
0.4278

 0.0000, 0.0000,
0.0000

 168.8331, 0.3475,

0.4203

208.2211, 0.3455,
0.4139

20.2570, 0.3677,
0.5170

20.2570, 0.3677,
0.5170

19.9529, 0.3680,
0.5327

20.6062, 0.3651,
0.4971

19.6855, 0.3661,
0.5442

21.0012, 0.3603,
0.4739

19.5912, 0.3653,
0.5482

21.4459, 0.3537,
0.4484

21.9432, 0.3458,
0.4217

22.4955, 0.3371,
0.3950

■ 23.1052, 0.3279,
0.3688

■ 23.7744, 0.3185,
0.3439

■ 24.5051, 0.3093,
0.3205

■ 25.2992, 0.3005,
0.2990

Harmonies

Analogous

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



20.2570, 0.4518, 0.4720



20.2570, 0.3677, 0.5170



20.2570, 0.2747, 0.4910

Triad

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



20.2570, 0.3677, 0.5170



20.2570, 0.1487, 0.2119



20.2570, 0.4307, 0.2701

Complementary

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



20.2570, 0.3677, 0.5170



3.9057, 0.2062, 0.1140

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.



20.2570, 0.3263, 0.2189



20.2570, 0.3677, 0.5170



20.2570, 0.1745, 0.1849

Square

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



20.2570, 0.3677, 0.5170



20.2570, 0.1549, 0.2791



20.2570, 0.2339, 0.1889



20.2570, 0.5006, 0.3338

Rectangle

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



20.2570, 0.3677, 0.5170



20.2570, 0.2197, 0.4270



20.2570, 0.2339, 0.1889



20.2570, 0.3972, 0.2511

Sweetspot

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



20.2579, 0.3677, 0.5170



40.5802, 0.3346, 0.3876



8.9923, 0.5141, 0.3814



9.3200, 0.3375, 0.3961



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.



20.2579, 0.3677, 0.5170



35.3585, 0.3666, 0.5417



18.1321, 0.3141, 0.5538



5.3503, 0.3212, 0.3508



18.0741, 0.3655, 0.5480



0.0665, 0.3914, 0.5274

Inverse Universe

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



3.9057, 0.2062, 0.1140



4.6030, 0.1819, 0.0819



6.5037, 0.2873, 0.1543



4.6116, 0.3038, 0.3069



2.0974, 0.1754, 0.0740



0.0109, 0.2217, 0.0995

Previews

White Background



This preview shows how the Yxy color 20.2570, 0.3677, 0.5170 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 20.2570, 0.3677, 0.5170 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

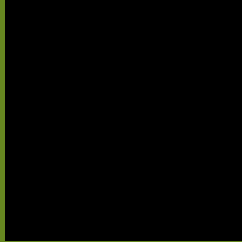
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.2570, 0.3677, 0.5170

Background



This preview shows how black text looks on a background with the Yxy color 20.2570, 0.3677, 0.5170.



This preview shows how white text looks on a background with the Yxy color 20.2570, 0.3677, 0.5170.

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

20.2570, 0.3677, 0.5170

Protanopia

19.9930, 0.4290, 0.4745

Deuteranopia

20.0786, 0.4502, 0.4436



Tritanopia

20.2767, 0.2884, 0.3104

Trichromacy



Original Color

20.2570, 0.3677, 0.5170

Protanomaly

19.9677, 0.4065, 0.4902

Deuteranomaly

19.7831, 0.4202, 0.4697

Tritanomaly

19.8974, 0.3238, 0.3908

Monochromacy



Original Color

20.2570, 0.3677, 0.5170

Achromatopsia

16.5132, 0.3127, 0.3290

Achromatomaly

17.5660, 0.3404, 0.4056

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.2570, 0.3677, 0.5170 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, 135, 32)` looks like.

```
.text, #text, p{  
    color:rgb(102, 135, 32)  
}
```

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, 135, 32) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 135, 32) }
```

Border

The CSS property to change the border of an element to Yxy 20.2570, 0.3677, 0.5170 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, 135, 32) }
```

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

```
.border{ border-color:rgb(102, 135, 32) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 135, 32)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 135, 32); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 135, 32);  
box-shadow:4px 4px 4px 4px rgb(102, 135,  
32) }
```


Background

The CSS property to change the background color of an element to Yxy 20.2570, 0.3677, 0.5170 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 135, 32) }
```

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

```
.background{ background-color: rgb(102,  
135, 32) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor