

Converting Colors

$Y_{xy}(12.9601, 0.2753, 0.3363)$

Have a look what the booklet for
Yxy(12.9601, 0.2753, 0.3363)
contains.

Yxy(13.0107, 0.2753, 0.3361)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(13.0107, 0.2753, 0.3361)

Conversions

Conversions Part 1

Format	Color
Hex	4B6B68
RGB	75, 107, 104
RGB Percent	29%, 42%, 41%
CMY	0.7059, 0.5804, 0.5922
CMYK	0.30, 0.00, 0.03, 0.58
HSL	174°, 18%, 36%
HSV	174°, 30%, 42%
XYZ	10.6571, 13.0107, 15.0430
YIQ	97.0900, -18.1090, -7.7170

Conversions

Conversions Part 2

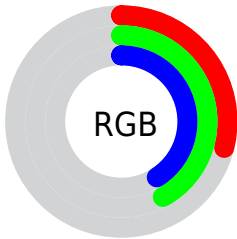
Format	Color
R_{YB}	75, 92, 107
Decimal	4942696
CIE Lab	42.78, -12.26, -2.05
CIE LCh	43, 12.426, 189.489
Yxy	13.0107, 0.2753, 0.3361
Android (android.graphics.Color)	4283132776 (0xFF4B6B68)
YUV	97.0900, 3.4066, -19.3729
Hunter-Lab	36.0703, -10.3848, 0.5225

Details

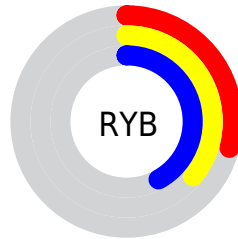
The Yxy color **13.0107, 0.2753, 0.3361** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **8.7076, 0.3683, 0.3222**, and the grayscale version is **11.9719, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.1803, 0.2848, 0.3338**, and **3.7740, 0.2562, 0.3413** is the 20% darker color. If you saturate the color by 10%, you get **12.5951, 0.2647, 0.3388**, and if you desaturate by 10%, it is **13.5002, 0.2870, 0.3335**.

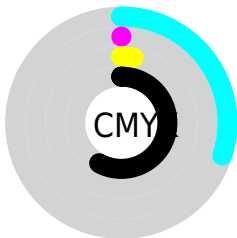
Distribution



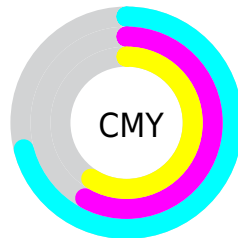
- Red (29%)
- Green (42%)
- Blue (41%)



- Red (29%)
- Yellow (36%)
- Blue (42%)



- Cyan (30%)
- Magenta (0%)
- Yellow (3%)
- Black (58%)





- Cyan (71%)
- Magenta (58%)
- Yellow (59%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.0107, 0.2753, 0.3361 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 13.0107, 0.2753, 0.3361 by changing the saturation by 10% instead.


 13.0107, 0.2753,
0.3361


 13.0107, 0.2753,
0.3361


210.9862, 0.2978,
0.3320


 7.4359, 0.2678,
0.3374


 31.3230, 0.2847,
0.3344


 3.7362, 0.2565,
0.3392

 44.8293, 0.2878,
0.3339


 1.5271, 0.2378,
0.3419

 61.7483, 0.2903,
0.3334

 0.3077, 0.0000,
0.3915

 82.4642, 0.2924,
0.3330

 0.0000, 0.0000,
0.0000

 107.3616, 0.2941,
0.3327

136.8248, 0.2955,

0.3324

171.2382, 0.2967,
0.3322

■ 13.0107, 0.2753,
0.3361

■ 13.0107, 0.2753,
0.3361

■ 12.5951, 0.2647,
0.3388

■ 13.5002, 0.2870,
0.3335

■ 12.2482, 0.2554,
0.3417

■ 14.0654, 0.2996,
0.3312

■ 11.9665, 0.2476,
0.3446

■ 14.7099, 0.3128,
0.3290

■ 11.7458, 0.2415,
0.3477

■ 15.4368, 0.3264,
0.3270

■ 11.5811, 0.2370,
0.3507

■ 16.2489, 0.3402,
0.3252

■ 11.4668, 0.2343,
0.3537

■ 17.1489, 0.3539,
0.3236

■ 11.3787, 0.2325,
0.3568

■ 18.1394, 0.3675,
0.3222

■ 11.3780, 0.2325,
0.3568

■ 19.2228, 0.3808,
0.3210

■ 20.4015, 0.3937,
0.3200

Harmonies

Analogous

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



13.0107, 0.2969, 0.3597



13.0107, 0.2753, 0.3361



13.0107, 0.2637, 0.3115

Triad

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



13.0107, 0.2753, 0.3361



13.0107, 0.3003, 0.2882



13.0107, 0.3630, 0.3629

Complementary

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



13.0107, 0.2753, 0.3361



8.7076, 0.3683, 0.3222

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.



13.0107, 0.3644, 0.3429



13.0107, 0.2753, 0.3361



13.0107, 0.3273, 0.3009

Square

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



13.0107, 0.2753, 0.3361



13.0107, 0.2776, 0.2851



13.0107, 0.3511, 0.3206



13.0107, 0.3478, 0.3749

Rectangle

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



13.0107, 0.2753, 0.3361



13.0107, 0.2628, 0.2983



13.0107, 0.3511, 0.3206



13.0107, 0.3652, 0.3569

Sweetspot

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



13.0112, 0.2753, 0.3361



25.2555, 0.3005, 0.3310



12.6522, 0.3132, 0.4091



6.0829, 0.2990, 0.3313



57.0482, 0.3127, 0.3290



6.3724, 0.3127, 0.3290

Same Dimension

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



13.0112, 0.2753, 0.3361



22.7541, 0.2676, 0.3380



10.5983, 0.2688, 0.2975



3.4872, 0.3009, 0.3310



13.8384, 0.2325, 0.3571



70.4435, 0.2330, 0.3589

Inverse Universe

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



8.7076, 0.3683, 0.3222



13.6866, 0.3872, 0.3205



10.5804, 0.3661, 0.3585



3.1210, 0.3259, 0.3271



3.8270, 0.6234, 0.3208



19.4387, 0.6316, 0.3253

Previews

White Background



This preview shows how the Yxy color 13.0107, 0.2753, 0.3361 looks on a white 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

Black Background



This preview shows how the Yxy color 13.0107, 0.2753, 0.3361 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

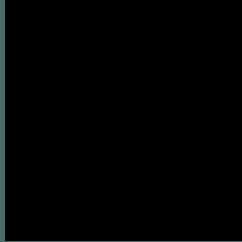
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

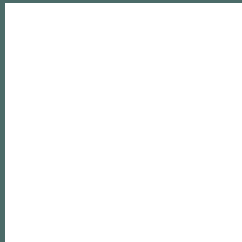
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 13.0107, 0.2753, 0.3361

Background



This preview shows how black text looks on a background with the Yxy color 13.0107, 0.2753, 0.3361.



This preview shows how white text looks on a background with the Yxy color 13.0107, 0.2753, 0.3361.

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

13.0107, 0.2753, 0.3361

Protanopia

12.9180, 0.3171, 0.3290

Deuteranopia

12.9641, 0.3165, 0.3119



Tritanopia

12.8958, 0.2663, 0.3080

Trichromacy



Original Color

13.0107, 0.2753, 0.3361

Protanomaly

12.9672, 0.3013, 0.3335

Deuteranomaly

12.8141, 0.3003, 0.3200

Tritanomaly

12.9704, 0.2697, 0.3195

Monochromacy



Original Color

13.0107, 0.2753, 0.3361

Achromatopsia

11.9538, 0.3127, 0.3290

Achromatomaly

12.3513, 0.2970, 0.3313

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.0107, 0.2753, 0.3361 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(75, 107, 104)` looks like.

```
.text, #text, p{  
    color:rgb(75, 107, 104)  
}
```

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(75, 107, 104) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(75, 107, 104) }
```

Border

The CSS property to change the border of an element to Yxy 13.0107, 0.2753, 0.3361 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(75, 107, 104) }
```

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

```
.border{ border-color:rgb(75, 107, 104) }
```

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

Here you see how a box with a 4 pixel rgb(75, 107, 104) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(75, 107, 104); -webkit-box-  
shadow:4px 4px 4px 4px rgb(75, 107, 104);  
box-shadow:4px 4px 4px 4px rgb(75, 107,  
104) }
```


Background

The CSS property to change the background color of an element to Yxy 13.0107, 0.2753, 0.3361 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(75, 107, 104) }
```

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

```
.background{ background-color: rgb(75, 107,  
104) }
```

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