

Converting Colors

$Yxy(13.6707, 0.2765, 0.3392)$

Have a look what the booklet for
Yxy(13.6707, 0.2765, 0.3392)
contains.

Yxy(13.7496, 0.2771, 0.3406)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(13.7496, 0.2771, 0.3406)

Conversions

Conversions Part 1

Format	Color
Hex	4D6E69
RGB	77, 110, 105
RGB Percent	30%, 43%, 41%
CMY	0.6981, 0.5686, 0.5882
CMYK	0.30, 0.00, 0.05, 0.57
HSL	171°, 18%, 37%
HSV	171°, 30%, 43%
XYZ	11.1862, 13.7496, 15.4330
YIQ	99.5630, -18.0630, -8.5510

Conversions

Conversions Part 2

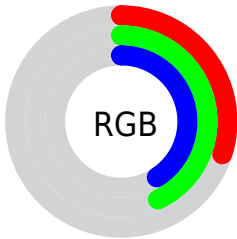
Format	Color
RYB	77, 95, 110
Decimal	5074537
CIELab	43.87, -13.04, -1.05
CIElCh	44, 13.081, 184.609
Yxy	13.7496, 0.2771, 0.3406
Android (android.graphics.Color)	4283264617 (0xFF4D6E69)
YUV	99.5630, 2.6804, -19.7878
Hunter-Lab	37.0805, -11.0421, 1.2797

Details

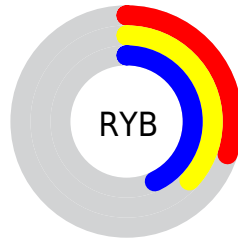
The Yxy color **13.7496, 0.2771, 0.3406** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **9.2303, 0.3653, 0.3179**, and the grayscale version is **12.6235, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.7530, 0.2861, 0.3386**, and **4.0268, 0.2589, 0.3451** is the 20% darker color. If you saturate the color by 10%, you get **13.2968, 0.2670, 0.3451**, and if you desaturate by 10%, it is **14.2815, 0.2883, 0.3364**.

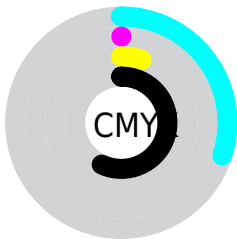
Distribution



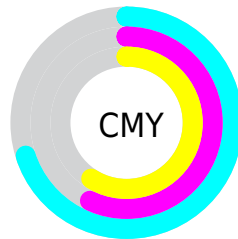
- Red (30%)
- Green (43%)
- Blue (41%)



- Red (30%)
- Yellow (37%)
- Blue (43%)



- Cyan (30%)
- Magenta (0%)
- Yellow (5%)
- Black (57%)



- Cyan (70%)
- Magenta (57%)
- Yellow (59%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 13.7496, 0.2771, 0.3406 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 13.7496, 0.2771, 0.3406 by changing the saturation by 10% instead.

■ 13.7496, 0.2771,
0.3406

■ 13.7496, 0.2771,
0.3406

■ 215.6675, 0.2984,
0.3338

■ 7.9467, 0.2701,
0.3428

■ 32.6441, 0.2859,
0.3378

■ 4.0609, 0.2596,
0.3461

■ 46.5044, 0.2889,
0.3368

■ 1.7077, 0.2424,
0.3513

■ 63.8194, 0.2913,
0.3361

■ 0.4286, 0.0842,
0.4052

■ 84.9734, 0.2932,
0.3354

■ 0.0000, 0.0000,
0.0000

■ 110.3508, 0.2948,
0.3349

140.3361, 0.2962,

0.3345

175.3135, 0.2974,
0.3341

■ 13.7496, 0.2771,
0.3406

■ 13.7496, 0.2771,
0.3406

■ 13.2968, 0.2670,
0.3451

■ 14.2815, 0.2883,
0.3364

■ 12.9177, 0.2581,
0.3498

■ 14.8946, 0.3002,
0.3326

■ 12.6085, 0.2508,
0.3546

■ 15.5928, 0.3127,
0.3290

■ 12.3645, 0.2451,
0.3597

■ 16.3792, 0.3255,
0.3258

■ 12.1806, 0.2411,
0.3647

■ 17.2570, 0.3385,
0.3229

■ 12.0507, 0.2388,
0.3698

■ 18.2289, 0.3514,
0.3203

■ 11.9497, 0.2375,
0.3749

■ 19.2979, 0.3641,
0.3181

■ 20.4664, 0.3765,
0.3161

■ 21.7372, 0.3886,
0.3144

Harmonies

Analogous

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



13.7496, 0.3007, 0.3641



13.7496, 0.2771, 0.3406



13.7496, 0.2632, 0.3147

Triad

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



13.7496, 0.2771, 0.3406



13.7496, 0.2956, 0.2856



13.7496, 0.3660, 0.3610

Complementary

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



13.7496, 0.2771, 0.3406



9.2303, 0.3653, 0.3179

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.



13.7496, 0.3649, 0.3396



13.7496, 0.2771, 0.3406



13.7496, 0.3232, 0.2973

Square

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



13.7496, 0.2771, 0.3406



13.7496, 0.2735, 0.2843



13.7496, 0.3490, 0.3167



13.7496, 0.3523, 0.3752

Rectangle

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



13.7496, 0.2771, 0.3406



13.7496, 0.2609, 0.3002



13.7496, 0.3490, 0.3167



13.7496, 0.3674, 0.3544

Sweetspot

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



13.7502, 0.2771, 0.3406



26.2455, 0.3011, 0.3323



13.5042, 0.3161, 0.4090



6.0773, 0.2998, 0.3327



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.



13.7502, 0.2771, 0.3406



23.5793, 0.2699, 0.3437



11.6266, 0.2691, 0.3027



3.8069, 0.3014, 0.3322



14.3511, 0.2376, 0.3754



71.3880, 0.2384, 0.3782

Inverse Universe

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



9.2303, 0.3653, 0.3179



14.2751, 0.3826, 0.3152



10.8293, 0.3679, 0.3538



3.4090, 0.3253, 0.3258



4.0264, 0.6120, 0.3145



19.9737, 0.6223, 0.3202

Previews

White Background



This preview shows how the Yxy color 13.7496, 0.2771, 0.3406 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 13.7496, 0.2771, 0.3406 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

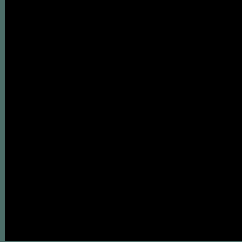
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 13.7496, 0.2771, 0.3406

Background



This preview shows how black text looks on a background with the Yxy color 13.7496, 0.2771, 0.3406.



This preview shows how white text looks on a background with the Yxy color 13.7496, 0.2771, 0.3406.

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

13.7496, 0.2771, 0.3406

Protanopia

13.7043, 0.3197, 0.3333

Deuteranopia

13.6206, 0.3207, 0.3144



Tritanopia

13.7150, 0.2673, 0.3086

Trichromacy



Original Color

13.7496, 0.2771, 0.3406

Protanomaly

13.7003, 0.3027, 0.3379

Deuteranomaly

13.5939, 0.3032, 0.3246

Tritanomaly

13.7918, 0.2706, 0.3197

Monochromacy



Original Color

13.7496, 0.2771, 0.3406

Achromatopsia

12.7438, 0.3127, 0.3290

Achromatomaly

13.1352, 0.2987, 0.3335

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.7496, 0.2771, 0.3406 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(77, 110, 105)` looks like.

```
.text, #text, p{  
    color:rgb(77, 110, 105)  
}
```

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(77, 110, 105) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 110, 105) }
```

Border

The CSS property to change the border of an element to Yxy 13.7496, 0.2771, 0.3406 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(77, 110, 105) }
```

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

```
.border{ border-color:rgb(77, 110, 105) }
```

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

Here you see how a box with a 4 pixel `rgb(77, 110, 105)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 110, 105); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 110, 105);  
box-shadow:4px 4px 4px 4px rgb(77, 110,  
105) }
```


Background

The CSS property to change the background color of an element to Yxy 13.7496, 0.2771, 0.3406 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 110, 105) }
```

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

```
.background{ background-color: rgb(77, 110,  
105) }
```

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