

Converting Colors

$Y_{xy}(12.7654, 0.2906, 0.3451)$

Have a look what the booklet for
Yxy(12.7654, 0.2906, 0.3451)
contains.

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Color

Yxy(12.7788, 0.2904, 0.3456)

Conversions

Conversions Part 1

Format	Color
Hex	526962
RGB	82, 105, 98
RGB Percent	32%, 41%, 38%
CMY	0.6783, 0.5883, 0.6156
CMYK	0.22, 0.00, 0.07, 0.59
HSL	162°, 12%, 37%
HSV	162°, 22%, 41%
XYZ	10.7377, 12.7788, 13.4592
YIQ	97.3250, -11.4610, -7.0530

Conversions

Conversions Part 2

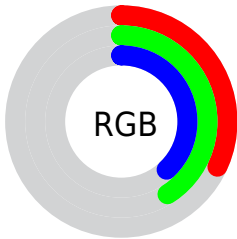
Format	Color
R_{YB}	82, 96, 105
Decimal	5400930
CIE _{Lab}	42.43, -10.13, 1.11
CIE _{LCh}	42, 10.195, 173.751
Yxy	12.7788, 0.2904, 0.3456
Android (android.graphics.Color)	4283591010 (0xFF526962)
YUV	97.3250, 0.3328, -13.4400
Hunter-Lab	35.7474, -8.9406, 2.7001

Details

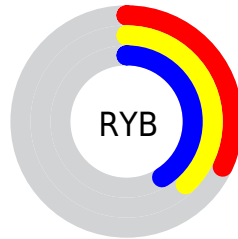
The Yxy color **12.7788, 0.2904, 0.3456** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **9.7624, 0.3414, 0.3130**, and the grayscale version is **12.0409, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.8524, 0.2959, 0.3403**, and **3.6491, 0.2774, 0.3539** is the 20% darker color. If you saturate the color by 10%, you get **12.2848, 0.2811, 0.3543**, and if you desaturate by 10%, it is **13.3483, 0.3004, 0.3376**.

Distribution



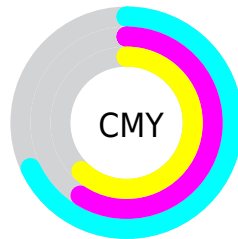
- Red (32%)
- Green (41%)
- Blue (38%)



- Red (32%)
- Yellow (38%)
- Blue (41%)



- Cyan (22%)
- Magenta (0%)
- Yellow (7%)
- Black (59%)



- Cyan (68%)
- Magenta (59%)
- Yellow (62%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 12.7788, 0.2904, 0.3456 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 12.7788, 0.2904, 0.3456 by changing the saturation by 10% instead.

■ 12.7788, 0.2904,
0.3456

■ 12.7788, 0.2904,
0.3456

■ 209.4951, 0.3040,
0.3355

■ 7.2764, 0.2858,
0.3491

■ 30.9058, 0.2961,
0.3413

■ 3.6356, 0.2787,
0.3544

■ 44.2992, 0.2980,
0.3399

■ 1.4719, 0.2668,
0.3636

■ 61.0918, 0.2995,
0.3388

■ 0.2688, 0.0164,
0.5464

■ 81.6678, 0.3007,
0.3379

■ 0.0000, 0.0000,
0.0000

■ 106.4118, 0.3017,
0.3371

135.7081, 0.3026,

0.3365

169.9410, 0.3033,
0.3360

■ 12.7788, 0.2904,
0.3456

■ 12.7788, 0.2904,
0.3456

■ 12.2848, 0.2811,
0.3543

■ 13.3483, 0.3004,
0.3376

■ 11.8615, 0.2727,
0.3637

■ 13.9948, 0.3107,
0.3303

■ 11.5058, 0.2654,
0.3736

■ 14.7217, 0.3213,
0.3237

■ 11.2138, 0.2595,
0.3840

■ 15.5318, 0.3320,
0.3178

■ 10.9814, 0.2551,
0.3947

■ 16.4278, 0.3425,
0.3125

■ 10.8037, 0.2526,
0.4056

■ 17.4121, 0.3528,
0.3079

■ 10.6747, 0.2518,
0.4166

■ 18.4871, 0.3628,
0.3038

■ 10.5845, 0.2515,
0.4256

■ 19.6552, 0.3725,
0.3002

■ 20.9185, 0.3818,
0.2971

Harmonies

Analogous

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



12.7788, 0.3111, 0.3616



12.7788, 0.2904, 0.3456



12.7788, 0.2759, 0.3251

Triad

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



12.7788, 0.2904, 0.3456



12.7788, 0.2919, 0.2926



12.7788, 0.3563, 0.3492

Complementary

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



12.7788, 0.2904, 0.3456



9.7624, 0.3414, 0.3130

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.



12.7788, 0.3509, 0.3310



12.7788, 0.2904, 0.3456



12.7788, 0.3131, 0.2991

Square

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



12.7788, 0.2904, 0.3456



12.7788, 0.2767, 0.2950



12.7788, 0.3349, 0.3130



12.7788, 0.3495, 0.3629

Rectangle

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



12.7788, 0.2904, 0.3456



12.7788, 0.2714, 0.3122



12.7788, 0.3349, 0.3130



12.7788, 0.3559, 0.3434

Sweetspot

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



12.7793, 0.2904, 0.3456



24.4277, 0.3052, 0.3341



12.8505, 0.3203, 0.3839



5.7132, 0.3048, 0.3343



55.4222, 0.3127, 0.3290



5.9254, 0.3127, 0.3290

Same Dimension

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



12.7793, 0.2904, 0.3456



22.4374, 0.2858, 0.3498



12.0802, 0.2815, 0.3189



3.4770, 0.3033, 0.3354



13.3965, 0.2519, 0.4268



68.1013, 0.2536, 0.4331

Inverse Universe

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



9.7624, 0.3414, 0.3130



16.0477, 0.3496, 0.3093



10.3057, 0.3517, 0.3388



3.1305, 0.3231, 0.3227



3.9280, 0.5649, 0.2886



19.8763, 0.5792, 0.2964

Previews

White Background



This preview shows how the Yxy color 12.7788, 0.2904, 0.3456 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 12.7788, 0.2904, 0.3456 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

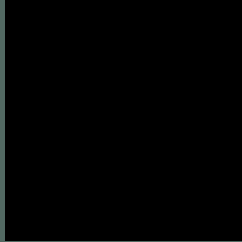
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

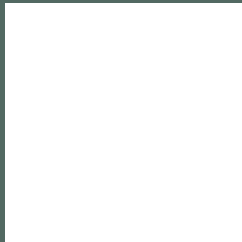
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 12.7788, 0.2904, 0.3456

Background



This preview shows how black text looks on a background with the Yxy color 12.7788, 0.2904, 0.3456.



This preview shows how white text looks on a background with the Yxy color 12.7788, 0.2904, 0.3456.

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

12.7788, 0.2904, 0.3456

Protanopia

12.6335, 0.3243, 0.3380

Deuteranopia

12.7845, 0.3282, 0.3226



Tritanopia

12.7795, 0.2787, 0.3106

Trichromacy



Original Color

12.7788, 0.2904, 0.3456

Protanomaly

12.5848, 0.3107, 0.3405

Deuteranomaly

12.7245, 0.3141, 0.3312

Tritanomaly

12.8261, 0.2834, 0.3243

Monochromacy



Original Color

12.7788, 0.2904, 0.3456

Achromatopsia

11.9538, 0.3127, 0.3290

Achromatomaly

12.2527, 0.3051, 0.3360

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.7788, 0.2904, 0.3456 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(82, 105, 98)` looks like.

```
.text, #text, p{  
    color:rgb(82, 105, 98)  
}
```

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(82, 105, 98) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(82, 105, 98) }
```

Border

The CSS property to change the border of an element to Yxy 12.7788, 0.2904, 0.3456 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(82, 105, 98) }
```

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

```
.border{ border-color:rgb(82, 105, 98) }
```

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

Here you see how a box with a 4 pixel rgb(82, 105, 98) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(82, 105, 98); -webkit-box-  
shadow:4px 4px 4px 4px rgb(82, 105, 98);  
box-shadow:4px 4px 4px 4px rgb(82, 105,  
98) }
```


Background

The CSS property to change the background color of an element to Yxy 12.7788, 0.2904, 0.3456 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(82, 105, 98) }
```

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

```
.background{ background-color: rgb(82, 105,  
98) }
```

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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