

Converting Colors

$Y_{xy}(12.1909, 0.2735, 0.3033)$

Have a look what the booklet for
Yxy(12.1909, 0.2735, 0.3033)
contains.

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Color

$Y_{xy}(12.2711, 0.2734, 0.3034)$

Conversions

Conversions Part 1

Format	Color
Hex	526570
RGB	82, 101, 112
RGB Percent	32%, 40%, 44%
CMY	0.6785, 0.6039, 0.5608
CMYK	0.27, 0.10, 0.00, 0.56
HSL	202°, 15%, 38%
HSV	202°, 27%, 44%
XYZ	11.0577, 12.2711, 17.1164
YIQ	96.5730, -14.8550, -0.6070

Conversions

Conversions Part 2

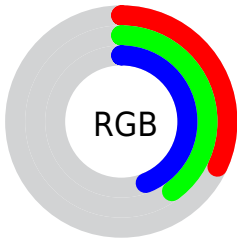
Format	Color
R_{YB}	82, 94, 112
Decimal	5399920
CIE Lab	41.64, -4.38, -8.55
CIE LCh	42, 9.609, 242.902
Yxy	12.2711, 0.2734, 0.3034
Android (android.graphics.Color)	4283590000 (0xFF526570)
YUV	96.5730, 7.6055, -12.7805
Hunter-Lab	35.0301, -4.9568, -4.4492

Details

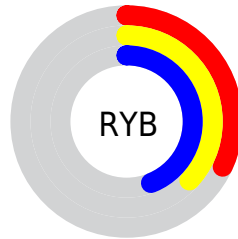
The Yxy color **12.2711, 0.2734, 0.3034** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **11.8822, 0.3603, 0.3532**, and the grayscale version is **11.8278, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.0423, 0.2830, 0.3098**, and **3.3836, 0.2540, 0.2891** is the 20% darker color. If you saturate the color by 10%, you get **11.0322, 0.2589, 0.2922**, and if you desaturate by 10%, it is **13.6328, 0.2881, 0.3137**.

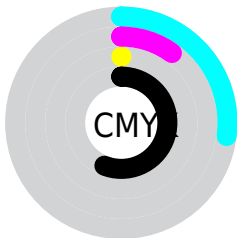
Distribution



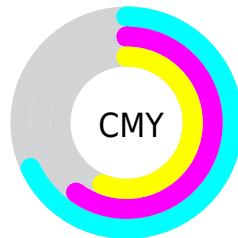
- Red (32%)
- Green (40%)
- Blue (44%)



- Red (32%)
- Yellow (37%)
- Blue (44%)



- Cyan (27%)
- Magenta (10%)
- Yellow (0%)
- Black (56%)



- Cyan (68%)
- Magenta (60%)
- Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 12.2711, 0.2734, 0.3034 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 12.2711, 0.2734, 0.3034 by changing the saturation by 10% instead.

■ 12.2711, 0.2734,
0.3034

■ 12.2711, 0.2734,
0.3034

■ 206.1919, 0.2971,
0.3192

■ 6.9286, 0.2654,
0.2979

■ 29.9879, 0.2833,
0.3101

■ 3.4175, 0.2535,
0.2895

■ 43.1310, 0.2866,
0.3123

■ 1.3534, 0.2336,
0.2750

■ 59.6431, 0.2893,
0.3140

■ 0.1820, 0.0633,
0.1743

■ 79.9085, 0.2914,
0.3154

■ 0.0000, 0.0000,
0.0000

■ 104.3117, 0.2932,
0.3166

133.2371, 0.2947,

0.3176

167.0690, 0.2960,
0.3184

■ 12.2711, 0.2734,
0.3034

■ 12.2711, 0.2734,
0.3034

■ 11.0322, 0.2589,
0.2922

■ 13.6328, 0.2881,
0.3137

■ 9.9101, 0.2449,
0.2803

■ 15.1201, 0.3028,
0.3231

■ 8.9004, 0.2318,
0.2677

■ 16.7375, 0.3173,
0.3316

■ 7.9978, 0.2199,
0.2546

■ 18.4889, 0.3314,
0.3393

■ 7.1964, 0.2096,
0.2412

■ 20.3778, 0.3449,
0.3461

■ 6.4894, 0.2010,
0.2277

■ 22.4079, 0.3578,
0.3521

■ 5.8617, 0.1939,
0.2143

■ 24.5824, 0.3701,
0.3575

■ 5.6695, 0.1917,
0.2100

■ 26.9046, 0.3817,
0.3622

■ 29.3775, 0.3926,
0.3663

Harmonies

Analogous

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



12.2711, 0.2750, 0.3194



12.2711, 0.2734, 0.3034



12.2711, 0.2819, 0.2948

Triad

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



12.2711, 0.2734, 0.3034



12.2711, 0.3394, 0.3187



12.2711, 0.3259, 0.3654

Complementary

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



12.2711, 0.2734, 0.3034



11.8822, 0.3603, 0.3532

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.



12.2711, 0.3439, 0.3639



12.2711, 0.2734, 0.3034



12.2711, 0.3520, 0.3364

Square

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



12.2711, 0.2734, 0.3034



12.2711, 0.3197, 0.3038



12.2711, 0.3536, 0.3530



12.2711, 0.3048, 0.3563

Rectangle

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



12.2711, 0.2734, 0.3034



12.2711, 0.2923, 0.2941



12.2711, 0.3536, 0.3530



12.2711, 0.3325, 0.3661

Sweetspot

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



12.2716, 0.2734, 0.3034



26.1762, 0.3008, 0.3218



14.1646, 0.2972, 0.3750



6.2083, 0.2989, 0.3207



58.7016, 0.3127, 0.3290



6.8385, 0.3127, 0.3290

Same Dimension

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



12.2716, 0.2734, 0.3034



20.2152, 0.2646, 0.2968



9.6985, 0.2702, 0.2682



3.6195, 0.2996, 0.3211



6.5094, 0.1914, 0.2091



30.7406, 0.1894, 0.2019

Inverse Universe

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



10.4184, 0.3332, 0.2882



16.5110, 0.3392, 0.2786



14.6750, 0.3530, 0.3832



3.4337, 0.3186, 0.3158



4.5030, 0.4351, 0.2171



22.2610, 0.4432, 0.2215

Previews

White Background



This preview shows how the Yxy color 12.2711, 0.2734, 0.3034 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 12.2711, 0.2734, 0.3034 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

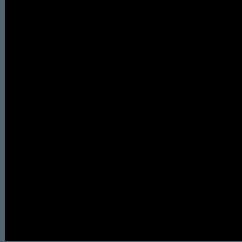
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

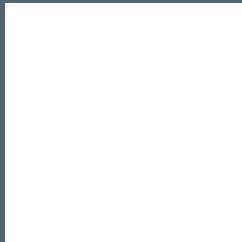
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 12.2711, 0.2734, 0.3034

Background



This preview shows how black text looks on a background with the Yxy color 12.2711, 0.2734, 0.3034.



This preview shows how white text looks on a background with the Yxy color 12.2711, 0.2734, 0.3034.

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

12.2711, 0.2734, 0.3034

Protanopia

12.1620, 0.2938, 0.3000

Deuteranopia

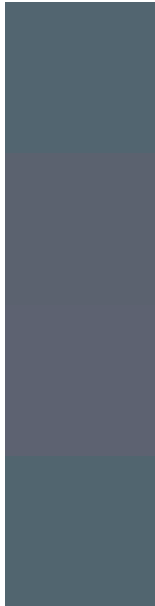
12.2673, 0.2955, 0.2919



Tritanopia

12.1825, 0.2745, 0.3078

Trichromacy



Original Color

12.2711, 0.2734, 0.3034

Protanomaly

12.1072, 0.2857, 0.2995

Deuteranomaly

12.2548, 0.2860, 0.2954

Tritanomaly

12.2044, 0.2733, 0.3056

Monochromacy



Original Color

12.2711, 0.2734, 0.3034

Achromatopsia

11.9538, 0.3127, 0.3290

Achromatomaly

11.9700, 0.2986, 0.3197

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.2711, 0.2734, 0.3034 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, 101, 112)` looks like.

```
.text, #text, p{  
  color:rgb(82, 101, 112)  
}
```

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, 101, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(82, 101, 112) }
```

Border

The CSS property to change the border of an element to Yxy 12.2711, 0.2734, 0.3034 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, 101, 112) }
```

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

```
.border{ border-color:rgb(82, 101, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(82, 101, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(82, 101, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(82, 101, 112);  
box-shadow:4px 4px 4px 4px rgb(82, 101,  
112) }
```


Background

The CSS property to change the background color of an element to Yxy 12.2711, 0.2734, 0.3034 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(82, 101, 112) }
```

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

```
.background{ background-color: rgb(82, 101,  
112) }
```

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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