

Converting Colors

$Y_{xy}(12.0828, 0.2728, 0.3007)$

Have a look what the booklet for
Yxy(12.0828, 0.2728, 0.3007)
contains.

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Color

Yxy(12.0780, 0.2732, 0.3010)

Conversions

Conversions Part 1

Format	Color
Hex	526470
RGB	82, 100, 112
RGB Percent	32%, 39%, 44%
CMY	0.6784, 0.6078, 0.5607
CMYK	0.27, 0.11, 0.00, 0.56
HSL	204°, 15%, 38%
HSV	204°, 27%, 44%
XYZ	10.9625, 12.0780, 17.0858
YIQ	95.9860, -14.5800, -0.0840

Conversions

Conversions Part 2

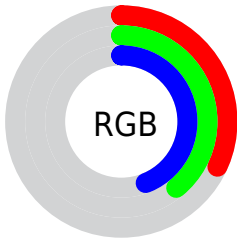
Format	Color
R_{YB}	82, 93, 112
Decimal	5399664
CIE _{Lab}	41.34, -3.77, -9.01
CIE _{LCh}	41, 9.770, 247.305
Yxy	12.0780, 0.2732, 0.3010
Android (android.graphics.Color)	4283589744 (0xFF526470)
YUV	95.9860, 7.8949, -12.2657
Hunter-Lab	34.7534, -4.5131, -4.8212

Details

The Yxy color **12.0780, 0.2732, 0.3010** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **12.0643, 0.3597, 0.3554**, and the grayscale version is **11.6776, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.7191, 0.2830, 0.3082**, and **3.2914, 0.2534, 0.2850** is the 20% darker color. If you saturate the color by 10%, you get **10.7798, 0.2584, 0.2887**, and if you desaturate by 10%, it is **13.5066, 0.2881, 0.3123**.

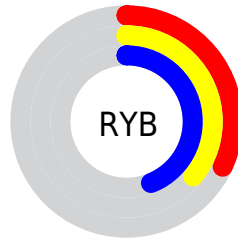
Distribution



Red (32%)

Green (39%)

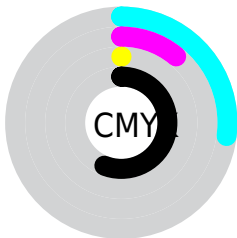
Blue (44%)



Red (32%)

Yellow (36%)

Blue (44%)

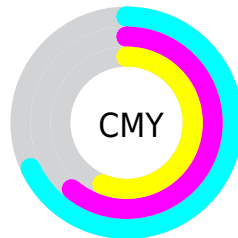


Cyan (27%)

Magenta (11%)

Yellow (0%)

Black (56%)



Cyan (68%)

Magenta (61%)

Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 12.0780, 0.2732, 0.3010 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 12.0780, 0.2732, 0.3010 by changing the saturation by 10% instead.

■ 12.0780, 0.2732,
0.3010

■ 12.0780, 0.2732,
0.3010

■ 204.9210, 0.2971,
0.3182

■ 6.7968, 0.2652,
0.2950

■ 29.6371, 0.2832,
0.3083

■ 3.3354, 0.2530,
0.2858

■ 42.6838, 0.2865,
0.3107

■ 1.3092, 0.2328,
0.2701

■ 59.0878, 0.2892,
0.3126

■ 0.1483, 0.0495,
0.1500

■ 79.2335, 0.2913,
0.3141

■ 0.0000, 0.0000,
0.0000

■ 103.5052, 0.2931,
0.3154

132.2875, 0.2947,

0.3165

165.9646, 0.2960,
0.3174

■ 12.0780, 0.2732,
0.3010

■ 12.0780, 0.2732,
0.3010

■ 10.7798, 0.2584,
0.2887

■ 13.5066, 0.2881,
0.3123

■ 9.6057, 0.2441,
0.2756

■ 15.0685, 0.3029,
0.3226

■ 8.5512, 0.2306,
0.2617

■ 16.7684, 0.3173,
0.3319

■ 7.6107, 0.2183,
0.2473

■ 18.6103, 0.3313,
0.3402

■ 6.7782, 0.2074,
0.2326

■ 20.5980, 0.3446,
0.3476

■ 6.0468, 0.1984,
0.2178

■ 22.7352, 0.3574,
0.3542

■ 5.4010, 0.1909,
0.2032

■ 25.0253, 0.3694,
0.3600

■ 5.2037, 0.1885,
0.1984

■ 27.4717, 0.3807,
0.3651

■ 30.0778, 0.3913,
0.3696

Harmonies

Analogous

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



12.0780, 0.2733, 0.3165



12.0780, 0.2732, 0.3010



12.0780, 0.2833, 0.2936

Triad

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



12.0780, 0.2732, 0.3010



12.0780, 0.3424, 0.3210



12.0780, 0.3231, 0.3656

Complementary

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



12.0780, 0.2732, 0.3010



12.0643, 0.3597, 0.3554

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.



12.0780, 0.3423, 0.3656



12.0780, 0.2732, 0.3010



12.0780, 0.3538, 0.3393

Square

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



12.0780, 0.2732, 0.3010



12.0780, 0.3230, 0.3052



12.0780, 0.3537, 0.3556



12.0780, 0.3016, 0.3547

Rectangle

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



12.0780, 0.2732, 0.3010



12.0780, 0.2946, 0.2937



12.0780, 0.3537, 0.3556



12.0780, 0.3300, 0.3668

Sweetspot

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



12.0785, 0.2732, 0.3010



26.0603, 0.3008, 0.3212



14.1934, 0.2955, 0.3713



6.1764, 0.2989, 0.3199



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.



12.0785, 0.2732, 0.3010



19.8069, 0.2642, 0.2937



9.4630, 0.2699, 0.2646



3.6019, 0.2996, 0.3204



5.9693, 0.1882, 0.1974



28.0144, 0.1860, 0.1896

Inverse Universe

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



10.4017, 0.3349, 0.2903



16.4698, 0.3414, 0.2812



14.9944, 0.3522, 0.3862



3.4319, 0.3191, 0.3165



4.4484, 0.4482, 0.2243



21.9858, 0.4572, 0.2292

Previews

White Background



This preview shows how the Yxy color 12.0780, 0.2732, 0.3010 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 12.0780, 0.2732, 0.3010 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

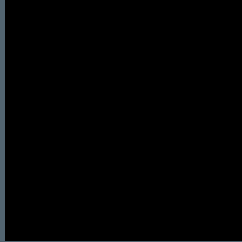
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

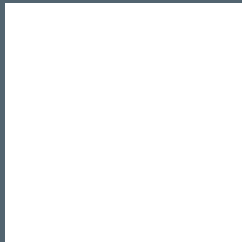
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 12.0780, 0.2732, 0.3010

Background



This preview shows how black text looks on a background with the Yxy color 12.0780, 0.2732, 0.3010.



This preview shows how white text looks on a background with the Yxy color 12.0780, 0.2732, 0.3010.

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

12.0780, 0.2732, 0.3010

Protanopia

12.1081, 0.2924, 0.2998

Deuteranopia

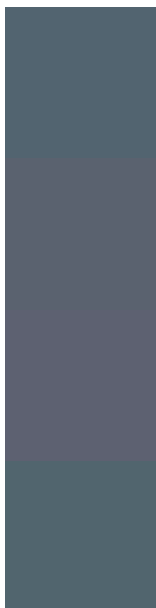
12.0293, 0.2941, 0.2895



Tritanopia

12.1608, 0.2756, 0.3101

Trichromacy



Original Color

12.0780, 0.2732, 0.3010

Protanomaly

12.0567, 0.2844, 0.2994

Deuteranomaly

12.0688, 0.2859, 0.2931

Tritanomaly

12.1825, 0.2745, 0.3078

Monochromacy



Original Color

12.0780, 0.2732, 0.3010

Achromatopsia

11.6971, 0.3127, 0.3290

Achromatomaly

11.7328, 0.2971, 0.3173

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.0780, 0.2732, 0.3010 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, 100, 112) looks like.

```
.text, #text, p{  
    color:rgb(82, 100, 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, 100, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(82, 100, 112) }
```

Border

The CSS property to change the border of an element to Yxy 12.0780, 0.2732, 0.3010 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, 100, 112) }
```

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

```
.border{ border-color:rgb(82, 100, 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, 100, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(82, 100, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(82, 100, 112);  
box-shadow:4px 4px 4px 4px rgb(82, 100,  
112) }
```


Background

The CSS property to change the background color of an element to Yxy 12.0780, 0.2732, 0.3010 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(82, 100, 112) }
```

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

```
.background{ background-color: rgb(82, 100,  
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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