

Converting Colors

$Y_{xy}(47.0024, 0.2529, 0.3030)$

Have a look what the booklet for
Yxy(47.0024, 0.2529, 0.3030)
contains.

Yxy(46.7624, 0.2530, 0.3028)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(46.7624, 0.2530, 0.3028)

Conversions

Conversions Part 1

Format	Color
Hex	7DC0D3
RGB	125, 192, 211
RGB Percent	49%, 75%, 83%
CMY	0.5096, 0.2471, 0.1725
CMYK	0.41, 0.09, 0.00, 0.17
HSL	193°, 49%, 66%
HSV	193°, 41%, 83%
XYZ	39.0716, 46.7624, 68.5993
YIQ	174.1330, -46.0310, -8.2950

Conversions

Conversions Part 2

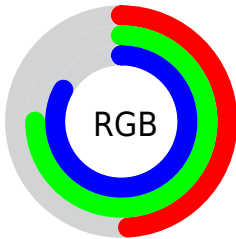
Format	Color
R _{YB}	125, 163, 211
Decimal	8241363
CIE Lab	74.04, -16.32, -16.22
CIE LCh	74, 23.008, 224.820
Yxy	46.7624, 0.2530, 0.3028
Android (android.graphics.Color)	4286431443 (0xFF7DC0D3)
YUV	174.1330, 18.1754, -43.0896
Hunter-Lab	68.3830, -17.6818, -11.6093

Details

The Yxy color **46.7624, 0.2530, 0.3028** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **35.3012, 0.4057, 0.3532**, and the grayscale version is **42.3292, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.1786, 0.2698, 0.3213**, and **21.8793, 0.2373, 0.2947** is the 20% darker color. If you saturate the color by 10%, you get **43.3228, 0.2405, 0.2952**, and if you desaturate by 10%, it is **50.6081, 0.2667, 0.3100**.

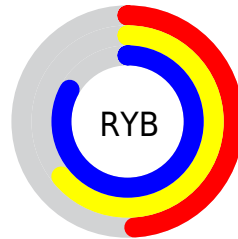
Distribution



Red (49%)

Green (75%)

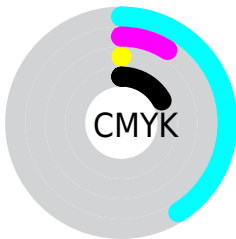
Blue (83%)



Red (49%)

Yellow (64%)

Blue (83%)

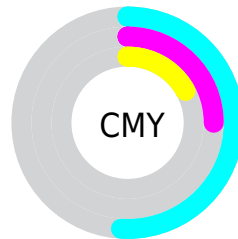


Cyan (41%)

Magenta (9%)

Yellow (0%)

Black (17%)



Cyan (51%)

Magenta (25%)

Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 46.7624, 0.2530, 0.3028 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 46.7624, 0.2530, 0.3028 by changing the saturation by 10% instead.


 46.7624, 0.2530,
0.3028


 46.7624, 0.2530,
0.3028


373.8653, 0.2822,
0.3164

 32.8479, 0.2460,
0.2993


 85.3589, 0.2634,
0.3079

 22.0099, 0.2371,
0.2947


 110.8096, 0.2674,
0.3097

 13.8642, 0.2255,
0.2885


 140.8744, 0.2708,
0.3113

 8.0263, 0.2099,
0.2796

175.9379, 0.2737,
0.3126

 4.1118, 0.1878,
0.2662

216.3843, 0.2762,
0.3138

 1.7363, 0.1547,
0.2439

262.5981, 0.2784,

 0.4470, 0.0117,

0.3148

0.1983

314.9636, 0.2804,
0.3156

0.0000, 0.0000,
0.0000

46.7624, 0.2530,
0.3028

46.7624, 0.2530,
0.3028

43.3228, 0.2405,
0.2952

50.6081, 0.2667,
0.3100

40.2616, 0.2296,
0.2873

54.8746, 0.2812,
0.3167

37.5560, 0.2204,
0.2792

59.5824, 0.2963,
0.3230

35.1780, 0.2131,
0.2710

64.7492, 0.3116,
0.3286

33.0942, 0.2078,
0.2629

70.3912, 0.3269,
0.3337

■ 31.3712, 0.2043,
0.2554

■ 76.5240, 0.3420,
0.3383

■ 79.6362, 0.3437,
0.3429

■ 82.1900, 0.3429,
0.3475

■ 84.8133, 0.3422,
0.3521

Harmonies

Analogous

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



46.7624, 0.2642, 0.3318



46.7624, 0.2530, 0.3028



46.7624, 0.2567, 0.2830

Triad

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



46.7624, 0.2530, 0.3028



46.7624, 0.3359, 0.2991



46.7624, 0.3502, 0.3857

Complementary

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



46.7624, 0.2530, 0.3028



35.3012, 0.4057, 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.



46.7624, 0.3713, 0.3730



46.7624, 0.2530, 0.3028



46.7624, 0.3632, 0.3233

Square

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



46.7624, 0.2530, 0.3028



46.7624, 0.3032, 0.2821



46.7624, 0.3764, 0.3500



46.7624, 0.3196, 0.3822

Rectangle

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



46.7624, 0.2530, 0.3028



46.7624, 0.2672, 0.2770



46.7624, 0.3764, 0.3500



46.7624, 0.3587, 0.3831

Sweetspot

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



46.7642, 0.2530, 0.3028



90.4077, 0.2941, 0.3221



52.9608, 0.2959, 0.4262



19.1410, 0.2921, 0.3213



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



46.7642, 0.2530, 0.3028



67.1033, 0.2420, 0.2961



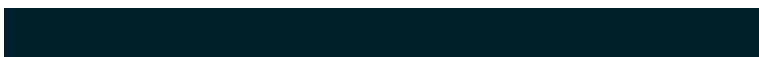
30.6932, 0.2431, 0.2404



12.9448, 0.2983, 0.3237



19.0887, 0.2046, 0.2566



1.1796, 0.2087, 0.2714

Inverse Universe

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



32.3377, 0.3367, 0.2490



42.8043, 0.3435, 0.2329



50.7270, 0.3841, 0.4037



11.9624, 0.3171, 0.3111



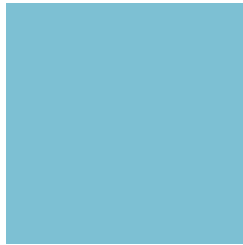
9.9983, 0.3857, 0.1898



0.5704, 0.3715, 0.1820

Previews

White Background



This preview shows how the Yxy color 46.7624, 0.2530, 0.3028 looks on a white background.

Color Contrast Check

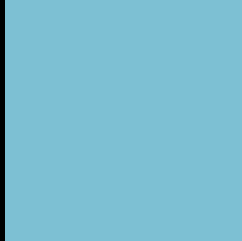
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 46.7624, 0.2530, 0.3028 looks on a black 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 ✓ Pass

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

Yxy 46.7624, 0.2530, 0.3028

Background



This preview shows how black text looks on a background with the Yxy color 46.7624, 0.2530, 0.3028.



This preview shows how white text looks on a background with the Yxy color 46.7624, 0.2530, 0.3028.

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

46.7624, 0.2530, 0.3028

Protanopia

46.4193, 0.2934, 0.2996

Deuteranopia

46.3666, 0.2893, 0.2830



Tritanopia

46.5384, 0.2541, 0.3068

Trichromacy



Original Color

46.7624, 0.2530, 0.3028

Protanomaly

46.1081, 0.2770, 0.2999

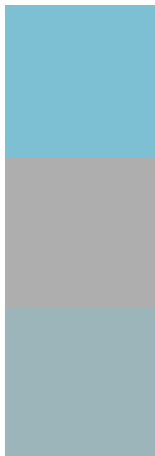
Deuteranomaly

45.9414, 0.2743, 0.2888

Tritanomaly

46.5878, 0.2535, 0.3054

Monochromacy



Original Color

46.7624, 0.2530, 0.3028

Achromatopsia

42.3268, 0.3127, 0.3290

Achromatomaly

43.7035, 0.2876, 0.3207

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.7624, 0.2530, 0.3028 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(125, 192, 211)` looks like.

```
.text, #text, p{  
    color:rgb(125, 192, 211)  
}
```

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(125, 192, 211) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(125, 192, 211) }
```

Border

The CSS property to change the border of an element to Yxy 46.7624, 0.2530, 0.3028 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(125, 192, 211) }
```

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

```
.border{ border-color:rgb(125, 192, 211) }
```

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

Here you see how a box with a 4 pixel `rgb(125, 192, 211)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(125, 192, 211); -webkit-box-  
shadow:4px 4px 4px 4px rgb(125, 192, 211);  
box-shadow:4px 4px 4px 4px rgb(125, 192,  
211) }
```


Background

The CSS property to change the background color of an element to Yxy 46.7624, 0.2530, 0.3028 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(125, 192, 211) }
```

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

```
.background{ background-color: rgb(125,  
192, 211) }
```

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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