

Converting Colors

$Yxy(50.3427, 0.2530, 0.3266)$

Have a look what the booklet for
Yxy(50.3427, 0.2530, 0.3266)
contains.

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Color

Yxy(50.1781, 0.2532, 0.3261)

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 72CACC |
| RGB | 114, 202, 204 |
| RGB Percent | 45%, 79%, 80% |
| CMY | 0.5527, 0.2078, 0.2001 |
| CMYK | 0.44, 0.01, 0.00, 0.20 |
| HSL | 181°, 47%, 62% |
| HSV | 181°, 44%, 80% |
| XYZ | 38.9607, 50.1781, 64.7345 |
| YIQ | 175.9160, -53.0900, -18.0340 |

Conversions

Conversions Part 2

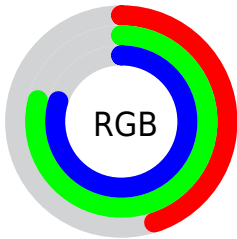
| Format | Color |
|-------------------------------------|--------------------------------|
| RYB | 114, 158, 204 |
| Decimal | 7523020 |
| CIELab | 76.18, -25.90, -9.24 |
| CIElCh | 76, 27.500, 199.642 |
| Yxy | 50.1781, 0.2532, 0.3261 |
| Android (android.graphics.Color) | 4285713100 (0xFF72CACC) |
| YUV | 175.9160, 13.8454, -54.3003 |
| Hunter-Lab | 70.8365, -25.7872, -4.5971 |

Details

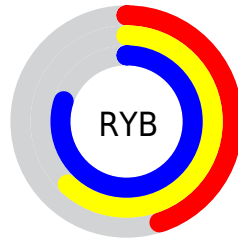
The Yxy color **50.1781, 0.2532, 0.3261** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **26.5445, 0.4273, 0.3319**, and the grayscale version is **43.3241, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.3979, 0.2657, 0.3289**, and **24.2226, 0.2378, 0.3249** is the 20% darker color. If you saturate the color by 10%, you get **48.7518, 0.2436, 0.3254**, and if you desaturate by 10%, it is **51.9139, 0.2646, 0.3268**.

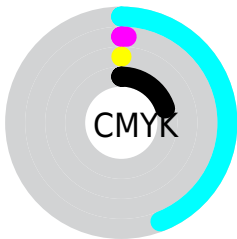
Distribution



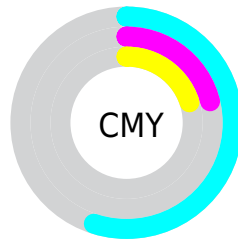
- Red (45%)
- Green (79%)
- Blue (80%)



- Red (45%)
- Yellow (62%)
- Blue (80%)



- Cyan (44%)
- Magenta (1%)
- Yellow (0%)
- Black (20%)





- Cyan (55%)
- Magenta (21%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 50.1781, 0.2532, 0.3261 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 50.1781, 0.2532, 0.3261 by changing the saturation by 10% instead.

 50.1781, 0.2532,
0.3261


 50.1781, 0.2532,
0.3261

387.3620, 0.2820,
0.3282

 35.5549, 0.2463,
0.3254


 90.4387, 0.2635,
0.3270

 24.0907, 0.2376,
0.3244


 116.8449, 0.2674,
0.3273

 15.4009, 0.2263,
0.3230


 147.9476, 0.2707,
0.3275

 9.1012, 0.2111,
0.3207

184.1312, 0.2736,
0.3277

 4.8073, 0.1898,
0.3166

225.7800, 0.2761,
0.3278

 2.1346, 0.1578,
0.3086

273.2785, 0.2783,

 0.6840, 0.0083,

0.3280

0.3168

327.0110, 0.2803,
0.3281

0.0000, 0.0000,
0.0000

50.1781, 0.2532,
0.3261

50.1781, 0.2532,
0.3261

48.7518, 0.2436,
0.3254

51.9139, 0.2646,
0.3268

47.6087, 0.2358,
0.3246

53.9719, 0.2774,
0.3275

46.7276, 0.2299,
0.3239


56.3713, 0.2914,
0.3282

46.0820, 0.2259,
0.3232

59.1279, 0.3064,
0.3288


45.6396, 0.2236,
0.3225


62.2567, 0.3220,
0.3293

 45.4390, 0.2228,
0.3221

 65.7717, 0.3379,
0.3298

 69.3369, 0.3525,
0.3303

 69.5505, 0.3524,
0.3308

 69.7647, 0.3523,
0.3312

Harmonies

Analogous

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



50.1781, 0.2788, 0.3624



50.1781, 0.2532, 0.3261



50.1781, 0.2431, 0.2935

Triad

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



50.1781, 0.2532, 0.3261



50.1781, 0.3075, 0.2773



50.1781, 0.3781, 0.3834

Complementary

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



50.1781, 0.2532, 0.3261



26.5445, 0.4273, 0.3319

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.



50.1781, 0.3877, 0.3576



50.1781, 0.2532, 0.3261



50.1781, 0.3455, 0.2983

Square

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



50.1781, 0.2532, 0.3261



50.1781, 0.2729, 0.2680



50.1781, 0.3756, 0.3270



50.1781, 0.3509, 0.3962

Rectangle

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



50.1781, 0.2532, 0.3261



50.1781, 0.2459, 0.2783



50.1781, 0.3756, 0.3270



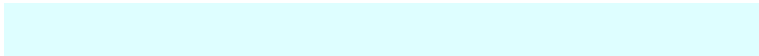
50.1781, 0.3836, 0.3758

Sweetspot

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



50.1801, 0.2532, 0.3261



93.7848, 0.2928, 0.3282



48.0003, 0.3055, 0.4631



19.8702, 0.2895, 0.3281



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.



50.1801, 0.2532, 0.3261



80.8534, 0.2439, 0.3254



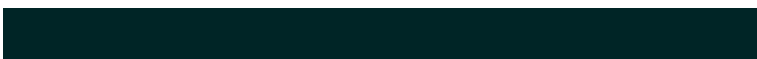
32.2271, 0.2419, 0.2600



12.6833, 0.2984, 0.3284



28.6304, 0.2228, 0.3222



1.4906, 0.2232, 0.3235

Inverse Universe

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



29.1445, 0.3197, 0.2241



41.6882, 0.3213, 0.2044



39.3671, 0.4005, 0.3884



11.3994, 0.3141, 0.3067



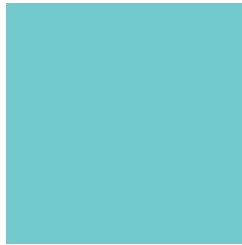
10.6933, 0.3264, 0.1572



0.5530, 0.3252, 0.1565

Previews

White Background



This preview shows how the Yxy color 50.1781, 0.2532, 0.3261 looks on a white background.

Color Contrast Check

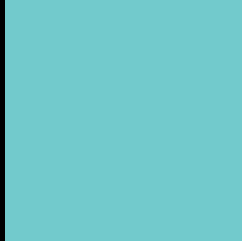
Large Text (above 18pt) WCAG AA × Fail

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 50.1781, 0.2532, 0.3261 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

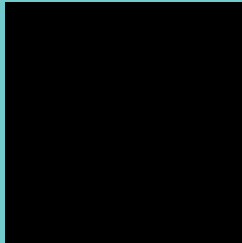
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

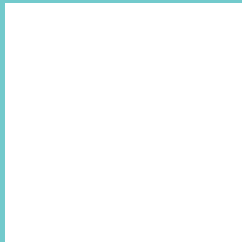
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 50.1781, 0.2532, 0.3261

Background



This preview shows how black text looks on a background with the Yxy color 50.1781, 0.2532, 0.3261.



This preview shows how white text looks on a background with the Yxy color 50.1781, 0.2532, 0.3261.

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

50.1781, 0.2532, 0.3261

Protanopia

49.7042, 0.3082, 0.3189

Deuteranopia

49.6121, 0.3034, 0.2974



Tritanopia

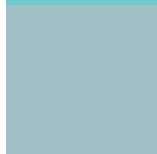
50.1180, 0.2484, 0.3072

Trichromacy



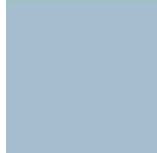
Original Color

50.1781, 0.2532, 0.3261



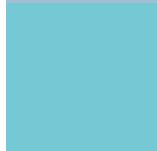
Protanomaly

49.3536, 0.2845, 0.3210



Deuteranomaly

49.0072, 0.2819, 0.3057



Tritanomaly

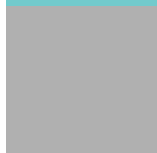
50.3087, 0.2502, 0.3138

Monochromacy



Original Color

50.1781, 0.2532, 0.3261



Achromatopsia

43.4154, 0.3127, 0.3290



Achromatomaly

45.0154, 0.2863, 0.3275

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.1781, 0.2532, 0.3261 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(114, 202, 204)` looks like.

```
.text, #text, p{  
    color:rgb(114, 202, 204)  
}
```

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(114, 202, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(114, 202, 204) }
```

Border

The CSS property to change the border of an element to Yxy 50.1781, 0.2532, 0.3261 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(114, 202, 204) }
```

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

```
.border{ border-color:rgb(114, 202, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(114, 202, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(114, 202, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(114, 202, 204);  
box-shadow:4px 4px 4px 4px rgb(114, 202,  
204) }
```


Background

The CSS property to change the background color of an element to Yxy 50.1781, 0.2532, 0.3261 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(114, 202, 204) }
```

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

```
.background{ background-color: rgb(114,  
202, 204) }
```

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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