

Converting Colors

$Y_{xy}(40.6532, 0.2475, 0.2720)$

Have a look what the booklet for
Yxy(40.6532, 0.2475, 0.2720)
contains.

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Color

Yxy(40.6496, 0.2478, 0.2725)

Conversions

Conversions Part 1

Format	Color
Hex	80B0D9
RGB	128, 176, 217
RGB Percent	50%, 69%, 85%
CMY	0.4976, 0.3099, 0.1489
CMYK	0.41, 0.19, 0.00, 0.15
HSL	208°, 54%, 68%
HSV	208°, 41%, 85%
XYZ	36.9650, 40.6496, 71.5582
YIQ	166.3220, -41.7690, 2.5750

Conversions

Conversions Part 2

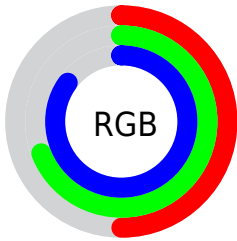
Format	Color
RYB	128, 159, 217
Decimal	8433881
CIELab	69.93, -5.42, -25.73
CIElCh	70, 26.295, 258.107
Yxy	40.6496, 0.2478, 0.2725
Android (android.graphics.Color)	4286623961 (0xFF80B0D9)
YUV	166.3220, 24.9843, -33.6084
Hunter-Lab	63.7570, -8.0842, -21.9147

Details

The Yxy color **40.6496, 0.2478, 0.2725** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **44.7460, 0.3957, 0.3788**, and the grayscale version is **38.1996, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.1236, 0.2695, 0.3037**, and **18.4404, 0.2295, 0.2569** is the 20% darker color. If you saturate the color by 10%, you get **35.3589, 0.2325, 0.2557**, and if you desaturate by 10%, it is **46.5932, 0.2637, 0.2883**.

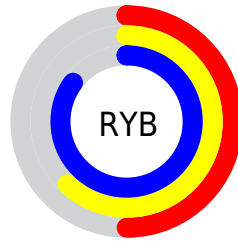
Distribution



Red (50%)

Green (69%)

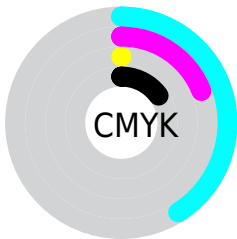
Blue (85%)



Red (50%)

Yellow (62%)

Blue (85%)

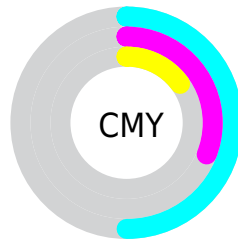


Cyan (41%)

Magenta (19%)

Yellow (0%)

Black (15%)



Cyan (50%)

Magenta (31%)

Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 40.6496, 0.2478, 0.2725 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 40.6496, 0.2478, 0.2725 by changing the saturation by 10% instead.

■ 40.6496, 0.2478,
0.2725

■ 40.6496, 0.2478,
0.2725

■ 348.8540, 0.2802,
0.3012

■ 28.0454, 0.2398,
0.2653

■ 76.1517, 0.2595,
0.2830

■ 18.3599, 0.2297,
0.2561

■ 99.8184, 0.2639,
0.2869

■ 11.2087, 0.2165,
0.2438

■ 127.9413, 0.2676,
0.2902

■ 6.2074, 0.1984,
0.2269

■ 160.9049, 0.2709,
0.2930

■ 2.9716, 0.1729,
0.2024

■ 199.0936, 0.2736,
0.2955

■ 1.1169, 0.1347,
0.1645

■ 242.8917, 0.2761,

■ 0.0000, 0.0000,

0.2976

0.0000

292.6837, 0.2782,
0.2995

■ 40.6496, 0.2478,
0.2725

■ 40.6496, 0.2478,
0.2725

■ 35.3589, 0.2325,
0.2557

■ 46.5932, 0.2637,
0.2883

■ 30.6872, 0.2182,
0.2380

■ 53.2122, 0.2798,
0.3028

■ 26.6038, 0.2054,
0.2200

■ 60.5336, 0.2958,
0.3160

■ 23.0723, 0.1947,
0.2019

■ 68.5810, 0.3112,
0.3279

■ 20.0506, 0.1862,
0.1843

■ 77.3771, 0.3261,
0.3385

■ 17.6995, 0.1803,
0.1691

■ 86.3090, 0.3378,
0.3480

■ 92.2425, 0.3364,
0.3577

■ 97.7909, 0.3351,
0.3661

Harmonies

Analogous

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



40.6496, 0.2415, 0.2940



40.6496, 0.2478, 0.2725



40.6496, 0.2704, 0.2665

Triad

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



40.6496, 0.2478, 0.2725



40.6496, 0.3760, 0.3252



40.6496, 0.3163, 0.3916

Complementary

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



40.6496, 0.2478, 0.2725



44.7460, 0.3957, 0.3788

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.



40.6496, 0.3535, 0.3977



40.6496, 0.2478, 0.2725



40.6496, 0.3895, 0.3566

Square

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



40.6496, 0.2478, 0.2725



40.6496, 0.3444, 0.2963



40.6496, 0.3808, 0.3836



40.6496, 0.2796, 0.3650

Rectangle

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



40.6496, 0.2478, 0.2725



40.6496, 0.2927, 0.2708



40.6496, 0.3808, 0.3836



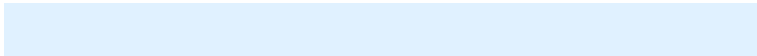
40.6496, 0.3292, 0.3961

Sweetspot

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



40.6512, 0.2478, 0.2725



85.9687, 0.2940, 0.3146



57.0660, 0.2837, 0.3967



18.0939, 0.2919, 0.3129



0.0000, 0.0000, 0.0000



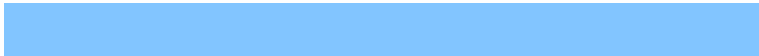
21.4041, 0.3127, 0.3290

Same Dimension

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



40.6512, 0.2478, 0.2725



52.0515, 0.2347, 0.2583



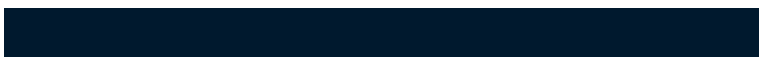
26.2597, 0.2378, 0.2098



13.7727, 0.2982, 0.3179



10.9257, 0.1810, 0.1715



0.8796, 0.1887, 0.1993

Inverse Universe

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



33.3540, 0.3601, 0.2718



41.2849, 0.3744, 0.2605



63.6921, 0.3755, 0.4255



13.1682, 0.3208, 0.3165



9.7267, 0.4788, 0.2411



0.6475, 0.4460, 0.2231

Previews

White Background



This preview shows how the Yxy color 40.6496, 0.2478, 0.2725 looks on a white background.

Color Contrast Check

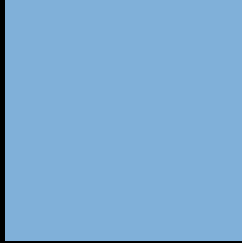
Large Text (above 18pt) WCAG AA × Fail

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 40.6496, 0.2478, 0.2725 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

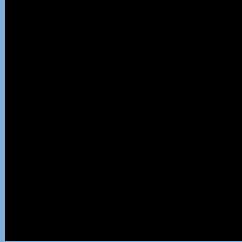
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

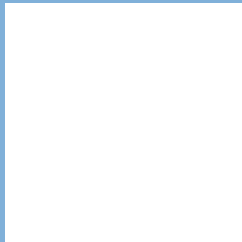
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 40.6496, 0.2478, 0.2725

Background



This preview shows how black text looks on a background with the Yxy color 40.6496, 0.2478, 0.2725.

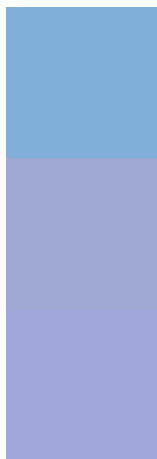


This preview shows how white text looks on a background with the Yxy color 40.6496, 0.2478, 0.2725.

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

40.6496, 0.2478, 0.2725

Protanopia

40.6030, 0.2720, 0.2722

Deuteranopia

40.3290, 0.2678, 0.2614



Tritanopia

40.6751, 0.2585, 0.3085

Trichromacy



Original Color

40.6496, 0.2478, 0.2725

Protanomaly

40.6560, 0.2621, 0.2726

Deuteranomaly

40.2010, 0.2600, 0.2651

Tritanomaly

40.7896, 0.2547, 0.2960

Monochromacy



Original Color

40.6496, 0.2478, 0.2725

Achromatopsia

38.1326, 0.3127, 0.3290

Achromatomaly

38.9276, 0.2852, 0.3077

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.6496, 0.2478, 0.2725 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(128, 176, 217)` looks like.

```
.text, #text, p{  
    color:rgb(128, 176, 217)  
}
```

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(128, 176, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 176, 217) }
```

Border

The CSS property to change the border of an element to Yxy 40.6496, 0.2478, 0.2725 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(128, 176, 217) }
```

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

```
.border{ border-color:rgb(128, 176, 217) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 176, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 176, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 176, 217);  
box-shadow:4px 4px 4px 4px rgb(128, 176,  
217) }
```


Background

The CSS property to change the background color of an element to Yxy 40.6496, 0.2478, 0.2725 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 176, 217) }
```

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

```
.background{ background-color: rgb(128,  
176, 217) }
```

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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