

Converting Colors

$Y_{xy}(40.8612, 0.2490, 0.2725)$

Have a look what the booklet for
Yxy(40.8612, 0.2490, 0.2725)
contains.

Yxy(40.8062, 0.2490, 0.2727)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(40.8062, 0.2490, 0.2727)

Conversions

Conversions Part 1

Format	Color
Hex	82B0D9
RGB	130, 176, 217
RGB Percent	51%, 69%, 85%
CMY	0.4901, 0.3098, 0.1489
CMYK	0.40, 0.19, 0.00, 0.15
HSL	208°, 53%, 68%
HSV	208°, 40%, 85%
XYZ	37.2598, 40.8062, 71.5717
YIQ	166.9200, -40.5770, 2.9990

Conversions

Conversions Part 2

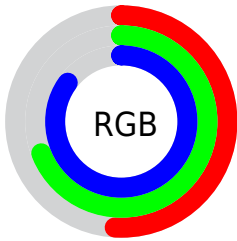
Format	Color
RYB	130, 160, 217
Decimal	8564953
CIELab	70.04, -4.93, -25.55
CIELCh	70, 26.022, 259.086
Yxy	40.8062, 0.2490, 0.2727
Android (android.graphics.Color)	4286755033 (0xFF82B0D9)
YUV	166.9200, 24.6894, -32.3788
Hunter-Lab	63.8797, -7.6740, -21.7135

Details

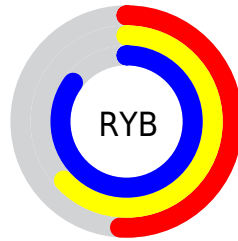
The Yxy color **40.8062, 0.2490, 0.2727** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **45.5107, 0.3930, 0.3788**, and the grayscale version is **38.4981, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.3723, 0.2706, 0.3037**, and **18.5604, 0.2316, 0.2572** is the 20% darker color. If you saturate the color by 10%, you get **35.4054, 0.2335, 0.2556**, and if you desaturate by 10%, it is **46.8746, 0.2651, 0.2887**.

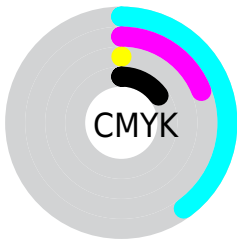
Distribution



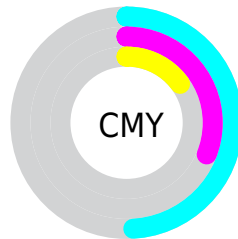
- Red (51%)
- Green (69%)
- Blue (85%)



- Red (51%)
- Yellow (63%)
- Blue (85%)



- Cyan (40%)
- Magenta (19%)
- Yellow (0%)
- Black (15%)



- Cyan (49%)
- Magenta (31%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 40.8062, 0.2490, 0.2727 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 40.8062, 0.2490, 0.2727 by changing the saturation by 10% instead.

■ 40.8062, 0.2490,
0.2727

■ 40.8062, 0.2490,
0.2727

■ 349.5100, 0.2808,
0.3012

■ 28.1677, 0.2412,
0.2655

■ 76.3896, 0.2605,
0.2831

■ 18.4521, 0.2312,
0.2564

■ 100.1033, 0.2648,
0.2870

■ 11.2751, 0.2182,
0.2442

■ 128.2775, 0.2685,
0.2903

■ 6.2522, 0.2005,
0.2275

■ 161.2966, 0.2716,
0.2931

■ 2.9990, 0.1753,
0.2031

■ 199.5450, 0.2744,
0.2956

■ 1.1312, 0.1376,
0.1656

■ 243.4071, 0.2768,

■ 0.0044, 0.0000,

0.2977

0.0022

293.2673, 0.2789,
0.2996

0.0000, 0.0000,
0.0000

40.8062, 0.2490,
0.2727

40.8062, 0.2490,
0.2727

35.4054, 0.2335,
0.2556

46.8746, 0.2651,
0.2887

30.6380, 0.2189,
0.2376

53.6332, 0.2812,
0.3035

26.4731, 0.2059,
0.2191

61.1093, 0.2972,
0.3169

22.8743, 0.1948,
0.2007

69.3269, 0.3126,
0.3289

19.7997, 0.1860,
0.1827

78.3087, 0.3273,
0.3396

■ 17.2004, 0.1794,
0.1657

■ 87.0702, 0.3377,
0.3493

■ 93.1797, 0.3362,
0.3591

■ 97.7908, 0.3351,
0.3661

Harmonies

Analogous

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



40.8062, 0.2422, 0.2935



40.8062, 0.2490, 0.2727



40.8062, 0.2719, 0.2672

Triad

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



40.8062, 0.2490, 0.2727



40.8062, 0.3761, 0.3263



40.8062, 0.3150, 0.3903

Complementary

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



40.8062, 0.2490, 0.2727



45.5107, 0.3930, 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.



40.8062, 0.3520, 0.3970



40.8062, 0.2490, 0.2727



40.8062, 0.3887, 0.3574

Square

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



40.8062, 0.2490, 0.2727



40.8062, 0.3453, 0.2975



40.8062, 0.3794, 0.3837



40.8062, 0.2789, 0.3635

Rectangle

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



40.8062, 0.2490, 0.2727



40.8062, 0.2942, 0.2718



40.8062, 0.3794, 0.3837



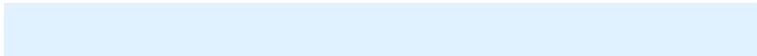
40.8062, 0.3278, 0.3950

Sweetspot

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



40.8078, 0.2490, 0.2727



85.7879, 0.2940, 0.3143



57.3099, 0.2834, 0.3929



18.0513, 0.2919, 0.3126



0.0000, 0.0000, 0.0000



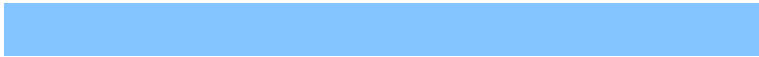
21.4041, 0.3127, 0.3290

Same Dimension

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



40.8078, 0.2490, 0.2727



52.2348, 0.2360, 0.2585



26.5122, 0.2393, 0.2107



13.7505, 0.2982, 0.3177



10.6235, 0.1800, 0.1681



0.8603, 0.1879, 0.1964

Inverse Universe

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



33.8606, 0.3597, 0.2740



41.9699, 0.3740, 0.2630



64.5216, 0.3736, 0.4249



13.1659, 0.3209, 0.3167



9.6962, 0.4830, 0.2434



0.6455, 0.4494, 0.2249

Previews

White Background



This preview shows how the Yxy color 40.8062, 0.2490, 0.2727 looks on a white background.

Color Contrast Check

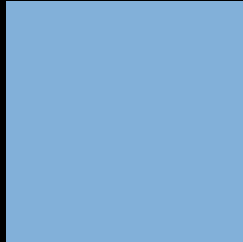
Large Text (above 18pt) WCAG AA × Fail

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 40.8062, 0.2490, 0.2727 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 40.8062, 0.2490, 0.2727

Background



This preview shows how black text looks on a background with the Yxy color 40.8062, 0.2490, 0.2727.



This preview shows how white text looks on a background with the Yxy color 40.8062, 0.2490, 0.2727.

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

40.8062, 0.2490, 0.2727

Protanopia

40.6030, 0.2720, 0.2722

Deuteranopia

40.8011, 0.2686, 0.2629



Tritanopia

40.8226, 0.2598, 0.3086

Trichromacy



Original Color

40.8062, 0.2490, 0.2727

Protanomaly

40.7496, 0.2629, 0.2727

Deuteranomaly

40.6718, 0.2609, 0.2666

Tritanomaly

40.9401, 0.2560, 0.2962

Monochromacy



Original Color

40.8062, 0.2490, 0.2727

Achromatopsia

38.6429, 0.3127, 0.3290

Achromatomaly

39.1223, 0.2868, 0.3078

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.8062, 0.2490, 0.2727 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(130, 176, 217)` looks like.

```
.text, #text, p{  
    color:rgb(130, 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(130, 176, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 176, 217) }
```

Border

The CSS property to change the border of an element to Yxy 40.8062, 0.2490, 0.2727 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(130, 176, 217) }
```

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

```
.border{ border-color:rgb(130, 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(130, 176, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 176, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 176, 217);  
box-shadow:4px 4px 4px 4px rgb(130, 176,  
217) }
```


Background

The CSS property to change the background color of an element to Yxy 40.8062, 0.2490, 0.2727 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 176, 217) }
```

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

```
.background{ background-color: rgb(130,  
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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