

Converting Colors

$Y_{xy}(40.5577, 0.2503, 0.2717)$

Have a look what the booklet for
Yxy(40.5577, 0.2503, 0.2717)
contains.

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Color

Yxy(40.5752, 0.2500, 0.2715)

Conversions

Conversions Part 1

Format	Color
Hex	84AFD9
RGB	132, 175, 217
RGB Percent	52%, 69%, 85%
CMY	0.4826, 0.3137, 0.1490
CMYK	0.39, 0.19, 0.00, 0.15
HSL	210°, 53%, 68%
HSV	210°, 39%, 85%
XYZ	37.3621, 40.5752, 71.5110
YIQ	166.9310, -39.1100, 3.9460

Conversions

Conversions Part 2

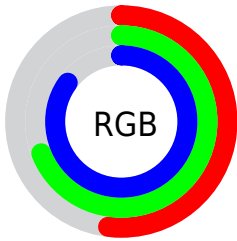
Format	Color
R_{YB}	132, 161, 217
Decimal	8695769
CIE _{Lab}	69.88, -3.89, -25.78
CIE _{LCh}	70, 26.075, 261.418
Yxy	40.5752, 0.2500, 0.2715
Android (android.graphics.Color)	4286885849 (0xFF84AFD9)
YUV	166.9310, 24.6840, -30.6345
Hunter-Lab	63.6987, -6.7746, -21.9726

Details

The Yxy color **40.5752, 0.2500, 0.2715** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **46.6573, 0.3899, 0.3798**, and the grayscale version is **38.4947, 0.3127, 0.3290**.

A 20% lighter version of the original color is **74.5050, 0.2716, 0.3016**, and **18.3943, 0.2326, 0.2555** is the 20% darker color. If you saturate the color by 10%, you get **35.0009, 0.2341, 0.2536**, and if you desaturate by 10%, it is **46.8471, 0.2663, 0.2882**.

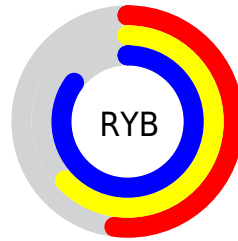
Distribution



Red (52%)

Green (69%)

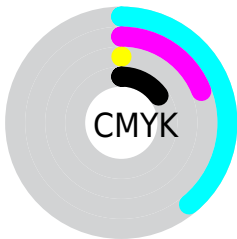
Blue (85%)



Red (52%)

Yellow (63%)

Blue (85%)

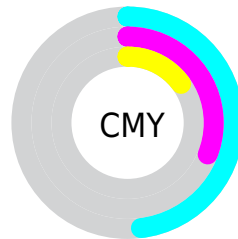


Cyan (39%)

Magenta (19%)

Yellow (0%)

Black (15%)



Cyan (48%)


Magenta (31%)

Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.5752, 0.2500, 0.2715 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 40.5752, 0.2500, 0.2715 by changing the saturation by 10% instead.


 40.5752, 0.2500,
0.2715


 40.5752, 0.2500,
0.2715


348.5420, 0.2813,
0.3006


 27.9873, 0.2423,
0.2642


 76.0386, 0.2613,
0.2821

 18.3161, 0.2324,
0.2549


 99.6829, 0.2656,
0.2861

 11.1772, 0.2195,
0.2425


 127.7815, 0.2692,
0.2894

 6.1861, 0.2020,
0.2255

160.7187, 0.2723,
0.2923

 2.9586, 0.1769,
0.2009

198.8790, 0.2750,
0.2948

 1.1101, 0.1393,
0.1631

242.6467, 0.2774,

 0.0000, 0.0000,

0.2970

0.0000

292.4062, 0.2795,
0.2989

■ 40.5752, 0.2500,
0.2715

■ 40.5752, 0.2500,
0.2715

■ 35.0009, 0.2341,
0.2536

■ 46.8471, 0.2663,
0.2882

■ 30.0892, 0.2192,
0.2348

■ 53.8401, 0.2826,
0.3036

■ 25.8083, 0.2057,
0.2155

■ 61.5821, 0.2985,
0.3175

■ 22.1214, 0.1941,
0.1962

■ 70.0979, 0.3139,
0.3299

■ 18.9858, 0.1848,
0.1774

■ 79.4112, 0.3286,
0.3410

■ 16.3370, 0.1778,
0.1596

■ 88.1661, 0.3374,
0.3511

■ 16.1411, 0.1773,
0.1582

■ 94.6340, 0.3359,
0.3614

■ 97.7900, 0.3351,
0.3661

Harmonies

Analogous

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



40.5752, 0.2419, 0.2912



40.5752, 0.2500, 0.2715



40.5752, 0.2741, 0.2672

Triad

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



40.5752, 0.2500, 0.2715



40.5752, 0.3780, 0.3287



40.5752, 0.3120, 0.3891

Complementary

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



40.5752, 0.2500, 0.2715



46.6573, 0.3899, 0.3798

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.



40.5752, 0.3495, 0.3976



40.5752, 0.2500, 0.2715



40.5752, 0.3890, 0.3598

Square

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



40.5752, 0.2500, 0.2715



40.5752, 0.3483, 0.2994



40.5752, 0.3781, 0.3855



40.5752, 0.2762, 0.3609

Rectangle

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



40.5752, 0.2500, 0.2715



40.5752, 0.2970, 0.2725



40.5752, 0.3781, 0.3855



40.5752, 0.3248, 0.3944

Sweetspot

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



40.5768, 0.2500, 0.2715



85.3912, 0.2939, 0.3136



57.5474, 0.2831, 0.3892



17.9580, 0.2919, 0.3118



0.0000, 0.0000, 0.0000



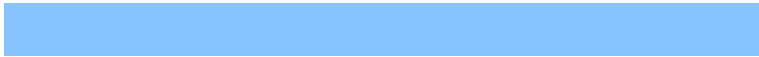
21.4041, 0.3127, 0.3290

Same Dimension

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



40.5768, 0.2500, 0.2715



51.7951, 0.2369, 0.2569



26.7808, 0.2409, 0.2118



13.7018, 0.2982, 0.3172



9.9825, 0.1780, 0.1607



0.8191, 0.1861, 0.1900

Inverse Universe

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



34.3322, 0.3603, 0.2774



42.6085, 0.3749, 0.2668



65.3170, 0.3717, 0.4243



13.1610, 0.3213, 0.3172



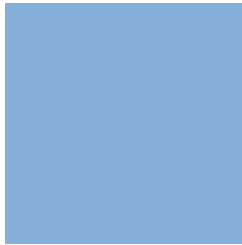
9.6315, 0.4922, 0.2485



0.6414, 0.4568, 0.2290

Previews

White Background



This preview shows how the Yxy color 40.5752, 0.2500, 0.2715 looks on a white background.

Color Contrast Check

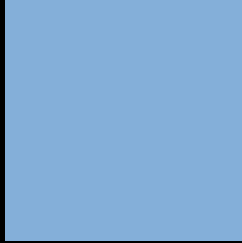
Large Text (above 18pt) WCAG AA × Fail

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 40.5752, 0.2500, 0.2715 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

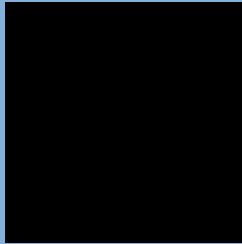
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

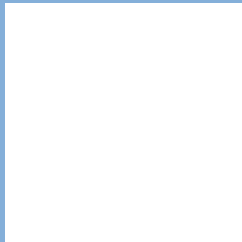
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 40.5752, 0.2500, 0.2715

Background



This preview shows how black text looks on a background with the Yxy color 40.5752, 0.2500, 0.2715.



This preview shows how white text looks on a background with the Yxy color 40.5752, 0.2500, 0.2715.

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

40.5752, 0.2500, 0.2715

Protanopia

40.2323, 0.2719, 0.2709

Deuteranopia

40.3290, 0.2678, 0.2614



Tritanopia

40.5709, 0.2609, 0.3072

Trichromacy



Original Color

40.5752, 0.2500, 0.2715

Protanomaly

40.4649, 0.2634, 0.2714

Deuteranomaly

40.2954, 0.2607, 0.2652

Tritanomaly

40.6943, 0.2571, 0.2948

Monochromacy



Original Color

40.5752, 0.2500, 0.2715

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 40.5752, 0.2500, 0.2715 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(132, 175, 217)` looks like.

```
.text, #text, p{  
    color:rgb(132, 175, 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(132, 175, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 175, 217) }
```

Border

The CSS property to change the border of an element to Yxy 40.5752, 0.2500, 0.2715 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(132, 175, 217) }
```

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

```
.border{ border-color:rgb(132, 175, 217) }
```

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

Here you see how a box with a 4 pixel `rgb(132, 175, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(132, 175, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(132, 175, 217);  
box-shadow:4px 4px 4px 4px rgb(132, 175,  
217) }
```


Background

The CSS property to change the background color of an element to Yxy 40.5752, 0.2500, 0.2715 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 175, 217) }
```

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

```
.background{ background-color: rgb(132,  
175, 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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