

Converting Colors

$Y_{xy}(42.1804, 0.2303, 0.2687)$

Have a look what the booklet for
Yxy(42.1804, 0.2303, 0.2687)
contains.

Yxy(42.1797, 0.2300, 0.2682)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(42.1797, 0.2300, 0.2682)

Conversions

Conversions Part 1

Format	Color
Hex	65B7E3
RGB	101, 183, 227
RGB Percent	40%, 72%, 89%
CMY	0.6037, 0.2824, 0.1097
CMYK	0.55, 0.19, 0.00, 0.11
HSL	201°, 69%, 64%
HSV	201°, 55%, 89%
XYZ	36.1720, 42.1797, 78.9179
YIQ	163.4980, -62.9960, -3.7000

Conversions

Conversions Part 2

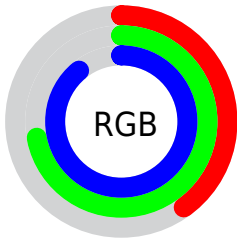
Format	Color
R_{YB}	101, 151, 227
Decimal	6666211
CIE _{Lab}	70.99, -12.64, -29.66
CIE _{LCh}	71, 32.243, 246.923
Yxy	42.1797, 0.2300, 0.2682
Android (android.graphics.Color)	4284856291 (0xFF65B7E3)
YUV	163.4980, 31.3065, -54.8107
Hunter-Lab	64.9459, -14.2387, -26.5831

Details

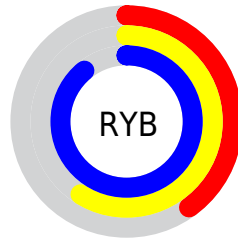
The Yxy color **42.1797, 0.2300, 0.2682** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **37.5523, 0.4463, 0.3794**, and the grayscale version is **36.7531, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.4266, 0.2579, 0.3109**, and **19.2289, 0.2084, 0.2511** is the 20% darker color. If you saturate the color by 10%, you get **37.8644, 0.2180, 0.2549**, and if you desaturate by 10%, it is **47.0446, 0.2435, 0.2810**.

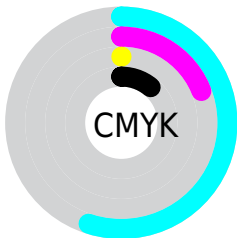
Distribution



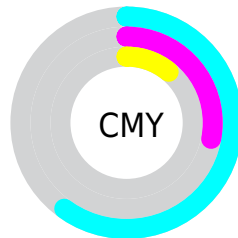
- Red (40%)
- Green (72%)
- Blue (89%)



- Red (40%)
- Yellow (59%)
- Blue (89%)



- Cyan (55%)
- Magenta (19%)
- Yellow (0%)
- Black (11%)



- Cyan (60%)
- Magenta (28%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 42.1797, 0.2300, 0.2682 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 42.1797, 0.2300, 0.2682 by changing the saturation by 10% instead.

■ 42.1797, 0.2300,
0.2682

■ 42.1797, 0.2300,
0.2682

■ 355.2273, 0.2705,
0.2992

■ 29.2420, 0.2203,
0.2604

■ 78.4715, 0.2444,
0.2795

■ 19.2640, 0.2082,
0.2505

■ 102.5945, 0.2499,
0.2838

■ 11.8612, 0.1925,
0.2373

■ 131.2146, 0.2546,
0.2873

■ 6.6492, 0.1718,
0.2193

■ 164.7164, 0.2587,
0.2904

■ 3.2437, 0.1436,
0.1936

■ 203.4841, 0.2622,
0.2931

■ 1.2603, 0.1043,
0.1550

■ 247.9023, 0.2653,

■ 0.1101, 0.0000,

0.2954

0.0380

298.3552, 0.2680,
0.2974

0.0000, 0.0000,
0.0000

42.1797, 0.2300,
0.2682

42.1797, 0.2300,
0.2682

37.8644, 0.2180,
0.2549

47.0446, 0.2435,
0.2810

34.0604, 0.2078,
0.2414

52.4844, 0.2580,
0.2931

30.7305, 0.1997,
0.2279


58.5281, 0.2732,
0.3044


27.8278, 0.1936,
0.2146

65.2011, 0.2887,
0.3148


26.6222, 0.1913,
0.2087

72.5269, 0.3043,
0.3242

 80.5278, 0.3196,
0.3327

 88.2686, 0.3310,
0.3404

 93.0053, 0.3301,
0.3481

 97.9483, 0.3292,
0.3556

Harmonies

Analogous

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



42.1797, 0.2302, 0.2998



42.1797, 0.2300, 0.2682



42.1797, 0.2497, 0.2547

Triad

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



42.1797, 0.2300, 0.2682



42.1797, 0.3772, 0.3104



42.1797, 0.3337, 0.4117

Complementary

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



42.1797, 0.2300, 0.2682



37.5523, 0.4463, 0.3794

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.



42.1797, 0.3758, 0.4080



42.1797, 0.2300, 0.2682



42.1797, 0.4030, 0.3473

Square

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



42.1797, 0.2300, 0.2682



42.1797, 0.3334, 0.2792



42.1797, 0.4019, 0.3828



42.1797, 0.2879, 0.3878

Rectangle

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



42.1797, 0.2300, 0.2682



42.1797, 0.2727, 0.2559



42.1797, 0.4019, 0.3828



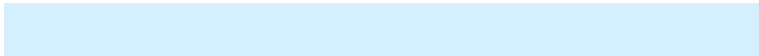
42.1797, 0.3488, 0.4134

Sweetspot

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



42.1812, 0.2300, 0.2682



83.3957, 0.2862, 0.3132



59.7014, 0.2842, 0.4487



17.4657, 0.2831, 0.3111



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.



42.1812, 0.2300, 0.2682



48.2689, 0.2159, 0.2523



22.2509, 0.2113, 0.1794



15.4439, 0.2981, 0.3206



15.7504, 0.1919, 0.2107



1.3364, 0.1972, 0.2299

Inverse Universe

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



29.0723, 0.3679, 0.2383



31.5769, 0.3854, 0.2241



61.4281, 0.4044, 0.4427



14.5252, 0.3191, 0.3138



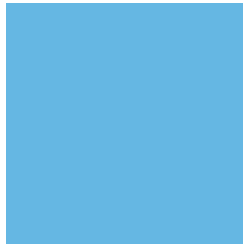
10.7877, 0.4334, 0.2161



0.8146, 0.4127, 0.2047

Previews

White Background



This preview shows how the Yxy color 42.1797, 0.2300, 0.2682 looks on a white background.

Color Contrast Check

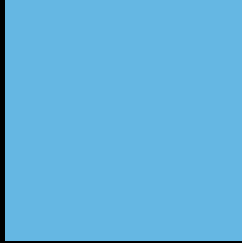
Large Text (above 18pt) WCAG AA × Fail

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 42.1797, 0.2300, 0.2682 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

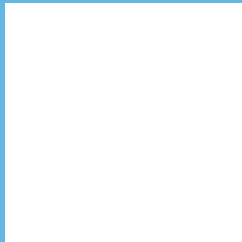
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 42.1797, 0.2300, 0.2682

Background



This preview shows how black text looks on a background with the Yxy color 42.1797, 0.2300, 0.2682.



This preview shows how white text looks on a background with the Yxy color 42.1797, 0.2300, 0.2682.

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

42.1797, 0.2300, 0.2682

Protanopia

41.7648, 0.2689, 0.2680

Deuteranopia

41.7317, 0.2589, 0.2527



Tritanopia

42.0802, 0.2394, 0.3067

Trichromacy



Original Color

42.1797, 0.2300, 0.2682

Protanomaly

41.3694, 0.2522, 0.2674

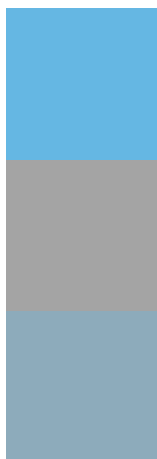
Deuteranomaly

41.6355, 0.2464, 0.2578

Tritanomaly

42.2539, 0.2359, 0.2929

Monochromacy



Original Color

42.1797, 0.2300, 0.2682

Achromatopsia

37.1238, 0.3127, 0.3290

Achromatomaly

38.3764, 0.2750, 0.3058

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.1797, 0.2300, 0.2682 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(101, 183, 227)` looks like.

```
.text, #text, p{  
    color:rgb(101, 183, 227)  
}
```

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(101, 183, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(101, 183, 227) }
```

Border

The CSS property to change the border of an element to Yxy 42.1797, 0.2300, 0.2682 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(101, 183, 227) }
```

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

```
.border{ border-color:rgb(101, 183, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(101, 183, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(101, 183, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(101, 183, 227);  
box-shadow:4px 4px 4px 4px rgb(101, 183,  
227) }
```


Background

The CSS property to change the background color of an element to Yxy 42.1797, 0.2300, 0.2682 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(101, 183, 227) }
```

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

```
.background{ background-color: rgb(101,  
183, 227) }
```

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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