

Converting Colors

$Yxy(47.5161, 0.2317, 0.2717)$

Have a look what the booklet for
Yxy(47.5161, 0.2317, 0.2717)
contains.

Yxy(47.4425, 0.2315, 0.2709)	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(47.4425, 0.2315, 0.2709)

Conversions

Conversions Part 1

Format	Color
Hex	6CC1ED
RGB	108, 193, 237
RGB Percent	42%, 76%, 93%
CMY	0.5764, 0.2431, 0.0706
CMYK	0.54, 0.19, 0.00, 0.07
HSL	200°, 78%, 68%
HSV	200°, 54%, 93%
XYZ	40.5424, 47.4425, 87.1443
YIQ	172.6010, -64.7840, -4.3360

Conversions

Conversions Part 2

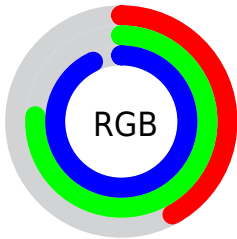
Format	Color
R _{YB}	108, 159, 237
Decimal	7127533
CIE _{Lab}	74.47, -13.58, -29.70
CIE _{LCh}	74, 32.663, 245.424
Yxy	47.4425, 0.2315, 0.2709
Android (android.graphics.Color)	4285317613 (0xFF6CC1ED)
YUV	172.6010, 31.7487, -56.6551
Hunter-Lab	68.8785, -15.4710, -26.7980

Details

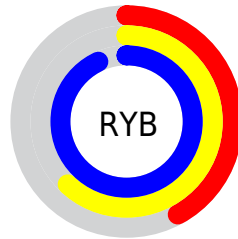
The Yxy color **47.4425, 0.2315, 0.2709** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **41.5545, 0.4440, 0.3776**, and the grayscale version is **41.4395, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.1869, 0.2629, 0.3223**, and **22.2937, 0.2109, 0.2537** is the 20% darker color. If you saturate the color by 10%, you get **42.6764, 0.2194, 0.2580**, and if you desaturate by 10%, it is **52.8114, 0.2450, 0.2833**.

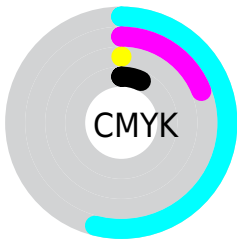
Distribution



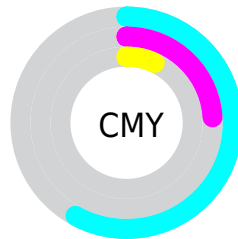
- Red (42%)
- Green (76%)
- Blue (93%)



- Red (42%)
- Yellow (62%)
- Blue (93%)



- Cyan (54%)
- Magenta (19%)
- Yellow (0%)
- Black (7%)



- Cyan (58%)
- Magenta (24%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 47.4425, 0.2315, 0.2709 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 47.4425, 0.2315, 0.2709 by changing the saturation by 10% instead.

■ 47.4425, 0.2315,
0.2709

■ 47.4425, 0.2315,
0.2709

376.5781, 0.2705,
0.3000

■ 33.3856, 0.2224,
0.2637

■ 86.3738, 0.2452,
0.2814

■ 22.4220, 0.2110,
0.2546

■ 112.0169, 0.2505,
0.2854

■ 14.1673, 0.1965,
0.2428

■ 142.2909, 0.2551,
0.2888

■ 8.2371, 0.1776,
0.2267

177.5802, 0.2590,
0.2917

■ 4.2471, 0.1521,
0.2041

218.2692, 0.2624,
0.2942

■ 1.8127, 0.1169,
0.1706

264.7422, 0.2654,

■ 0.4951, 0.0318,

0.2964

0.1132

317.3837, 0.2681,
0.2983

0.0000, 0.0000,
0.0000

47.4425, 0.2315,
0.2709

47.4425, 0.2315,
0.2709

42.6764, 0.2194,
0.2580

52.8114, 0.2450,
0.2833

38.4712, 0.2092,
0.2448

58.8107, 0.2596,
0.2951

34.7866, 0.2009,
0.2316

65.4722, 0.2748,
0.3061


31.5716, 0.1948,
0.2186

72.8234, 0.2903,
0.3161

29.9403, 0.1921,
0.2114

80.8903, 0.3059,
0.3253

 89.6972, 0.3212,
0.3335

 95.4989, 0.3237,
0.3412

 98.8947, 0.3232,
0.3464

Harmonies

Analogous

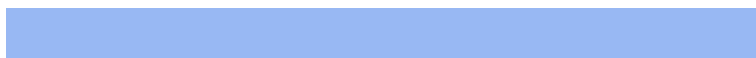
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



47.4425, 0.2327, 0.3026



47.4425, 0.2315, 0.2709



47.4425, 0.2499, 0.2568

Triad

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



47.4425, 0.2315, 0.2709



47.4425, 0.3737, 0.3092



47.4425, 0.3355, 0.4099

Complementary

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



47.4425, 0.2315, 0.2709



41.5545, 0.4440, 0.3776

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.



47.4425, 0.3760, 0.4052



47.4425, 0.2315, 0.2709



47.4425, 0.3999, 0.3452

Square

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



47.4425, 0.2315, 0.2709



47.4425, 0.3306, 0.2791



47.4425, 0.4003, 0.3801



47.4425, 0.2907, 0.3879

Rectangle

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



47.4425, 0.2315, 0.2709



47.4425, 0.2718, 0.2572



47.4425, 0.4003, 0.3801



47.4425, 0.3501, 0.4112

Sweetspot

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



47.4442, 0.2315, 0.2709



84.5043, 0.2878, 0.3145



65.9959, 0.2845, 0.4463



17.6949, 0.2846, 0.3125



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.



47.4442, 0.2315, 0.2709



49.9506, 0.2185, 0.2569



25.1424, 0.2130, 0.1822



16.2062, 0.2981, 0.3208



16.5987, 0.1927, 0.2135



1.4807, 0.1976, 0.2314

Inverse Universe

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



32.5858, 0.3654, 0.2385



32.5445, 0.3806, 0.2249



67.9487, 0.4029, 0.4411



15.2214, 0.3190, 0.3136



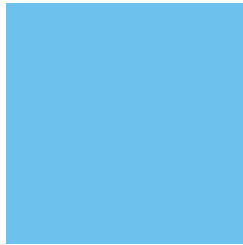
11.1685, 0.4302, 0.2144



0.8949, 0.4112, 0.2039

Previews

White Background



This preview shows how the Yxy color 47.4425, 0.2315, 0.2709 looks on a white background.

Color Contrast Check

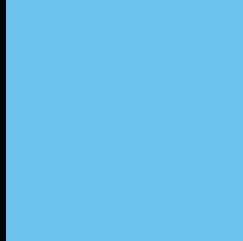
Large Text (above 18pt) WCAG AA × Fail

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 47.4425, 0.2315, 0.2709 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

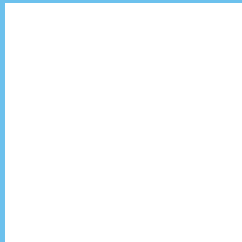
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 47.4425, 0.2315, 0.2709

Background



This preview shows how black text looks on a background with the Yxy color 47.4425, 0.2315, 0.2709.



This preview shows how white text looks on a background with the Yxy color 47.4425, 0.2315, 0.2709.

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

47.4425, 0.2315, 0.2709

Protanopia

46.9019, 0.2708, 0.2696

Deuteranopia

46.8563, 0.2611, 0.2549



Tritanopia

47.3892, 0.2400, 0.3064

Trichromacy



Original Color

47.4425, 0.2315, 0.2709

Protanomaly

46.7633, 0.2542, 0.2702

Deuteranomaly

46.6240, 0.2483, 0.2597

Tritanomaly

47.5786, 0.2367, 0.2932

Monochromacy



Original Color

47.4425, 0.2315, 0.2709

Achromatopsia

41.7885, 0.3127, 0.3290

Achromatomaly

43.0176, 0.2759, 0.3069

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.4425, 0.2315, 0.2709 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(108, 193, 237)` looks like.

```
.text, #text, p{  
    color:rgb(108, 193, 237)  
}
```

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(108, 193, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(108, 193, 237) }
```

Border

The CSS property to change the border of an element to Yxy 47.4425, 0.2315, 0.2709 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(108, 193, 237) }
```

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

```
.border{ border-color:rgb(108, 193, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(108, 193, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(108, 193, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(108, 193, 237);  
box-shadow:4px 4px 4px 4px rgb(108, 193,  
237) }
```


Background

The CSS property to change the background color of an element to Yxy 47.4425, 0.2315, 0.2709 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(108, 193, 237) }
```

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

```
.background{ background-color: rgb(108,  
193, 237) }
```

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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