

Converting Colors

$Y_{xy}(48.0836, 0.2325, 0.2646)$

Have a look what the booklet for
Yxy(48.0836, 0.2325, 0.2646)
contains.

Yxy(48.2637, 0.2329, 0.2657)	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(48.2637, 0.2329, 0.2657)

Conversions

Conversions Part 1

Format	Color
Hex	74C1F2
RGB	116, 193, 242
RGB Percent	45%, 76%, 95%
CMY	0.5448, 0.2432, 0.0510
CMYK	0.52, 0.20, 0.00, 0.05
HSL	203°, 83%, 70%
HSV	203°, 52%, 95%
XYZ	42.3057, 48.2637, 91.0780
YIQ	175.5630, -61.6210, -1.0850

Conversions

Conversions Part 2

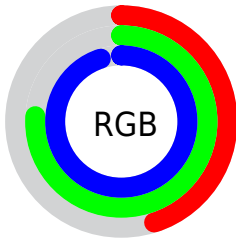
Format	Color
RYB	116, 164, 242
Decimal	7651826
CIELab	74.99, -10.44, -31.56
CIELCh	75, 33.245, 251.693
Yxy	48.2637, 0.2329, 0.2657
Android (android.graphics.Color)	4285841906 (0xFF74C1F2)
YUV	175.5630, 32.7534, -52.2368
Hunter-Lab	69.4721, -12.8769, -29.0988

Details

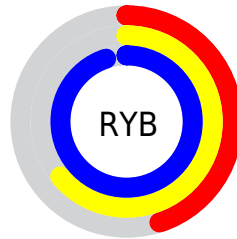
The Yxy color **48.2637, 0.2329, 0.2657** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **47.0774, 0.4323, 0.3823**, and the grayscale version is **43.0382, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.0853, 0.2668, 0.3223**, and **23.0582, 0.2128, 0.2489** is the 20% darker color. If you saturate the color by 10%, you get **42.7844, 0.2198, 0.2509**, and if you desaturate by 10%, it is **54.4437, 0.2473, 0.2799**.

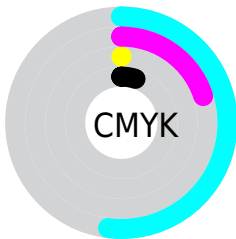
Distribution



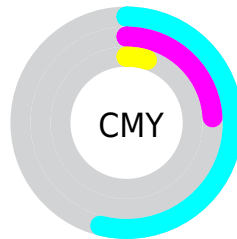
- Red (45%)
- Green (76%)
- Blue (95%)



- Red (45%)
- Yellow (64%)
- Blue (95%)



- Cyan (52%)
- Magenta (20%)
- Yellow (0%)
- Black (5%)



- Cyan (54%)
- Magenta (24%)
- Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 48.2637, 0.2329, 0.2657 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 48.2637, 0.2329, 0.2657 by changing the saturation by 10% instead.

■ 48.2637, 0.2329,
0.2657

■ 48.2637, 0.2329,
0.2657

■ 379.8364, 0.2711,
0.2970

■ 34.0358, 0.2240,
0.2581

■ 87.5969, 0.2464,
0.2769

■ 22.9211, 0.2129,
0.2485

■ 113.4709, 0.2515,
0.2812

■ 14.5352, 0.1988,
0.2361

■ 143.9958, 0.2560,
0.2848

■ 8.4939, 0.1803,
0.2196

■ 179.5559, 0.2598,
0.2880

■ 4.4126, 0.1556,
0.1965

■ 220.5356, 0.2632,
0.2907

■ 1.9069, 0.1215,
0.1632

■ 267.3194, 0.2662,

■ 0.5525, 0.0534,

0.2931

0.1093

320.2915, 0.2688,
0.2952

0.0000, 0.0000,
0.0000

48.2637, 0.2329,
0.2657

48.2637, 0.2329,
0.2657

42.7844, 0.2198,
0.2509

54.4437, 0.2473,
0.2799

37.9611, 0.2083,
0.2357

61.3542, 0.2626,
0.2932

33.7513, 0.1989,
0.2204


69.0297, 0.2783,
0.3056


30.1022, 0.1916,
0.2055

77.5001, 0.2940,
0.3169

27.5321, 0.1872,
0.1939

86.7939, 0.3096,
0.3271

 95.7269, 0.3207,
0.3363

 99.1899, 0.3203,
0.3415

Harmonies

Analogous

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



48.2637, 0.2299, 0.2943



48.2637, 0.2329, 0.2657



48.2637, 0.2553, 0.2553

Triad

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



48.2637, 0.2329, 0.2657



48.2637, 0.3819, 0.3163



48.2637, 0.3262, 0.4085

Complementary

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



48.2637, 0.2329, 0.2657



47.0774, 0.4323, 0.3823

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.



48.2637, 0.3692, 0.4091



48.2637, 0.2329, 0.2657



48.2637, 0.4033, 0.3530

Square

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



48.2637, 0.2329, 0.2657



48.2637, 0.3406, 0.2841



48.2637, 0.3981, 0.3871



48.2637, 0.2816, 0.3810

Rectangle

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



48.2637, 0.2329, 0.2657



48.2637, 0.2796, 0.2582



48.2637, 0.3981, 0.3871



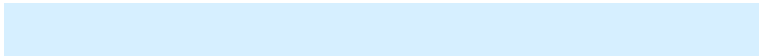
48.2637, 0.3414, 0.4117

Sweetspot

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



48.2655, 0.2329, 0.2657



83.3510, 0.2877, 0.3125



69.9075, 0.2821, 0.4316



17.4192, 0.2844, 0.3101



0.0000, 0.0000, 0.0000



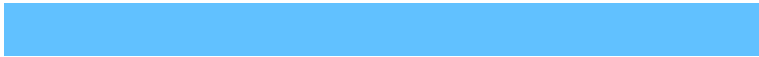
21.4041, 0.3127, 0.3290

Same Dimension

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



48.2655, 0.2329, 0.2657



48.1062, 0.2196, 0.2507



26.3016, 0.2160, 0.1813



16.8360, 0.2980, 0.3196



15.0657, 0.1879, 0.1963



1.4460, 0.1932, 0.2156

Inverse Universe

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



35.2358, 0.3691, 0.2478



33.6624, 0.3855, 0.2351



75.2386, 0.3958, 0.4424



15.9211, 0.3198, 0.3147



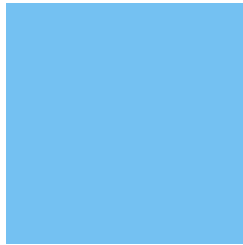
11.3142, 0.4495, 0.2250



0.9607, 0.4280, 0.2131

Previews

White Background



This preview shows how the Yxy color 48.2637, 0.2329, 0.2657 looks on a white background.

Color Contrast Check

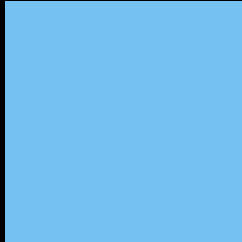
Large Text (above 18pt) WCAG AA × Fail

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 48.2637, 0.2329, 0.2657 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

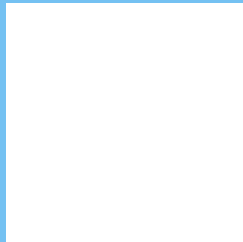
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 48.2637, 0.2329, 0.2657

Background



This preview shows how black text looks on a background with the Yxy color 48.2637, 0.2329, 0.2657.



This preview shows how white text looks on a background with the Yxy color 48.2637, 0.2329, 0.2657.

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

48.2637, 0.2329, 0.2657

Protanopia

48.0543, 0.2673, 0.2655

Deuteranopia

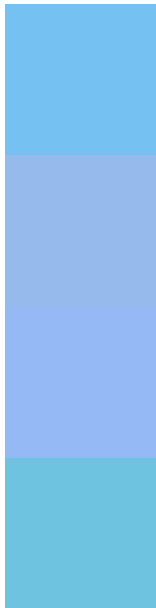
47.9652, 0.2585, 0.2522



Tritanopia

48.3074, 0.2430, 0.3067

Trichromacy



Original Color

48.2637, 0.2329, 0.2657

Protanomaly

47.8115, 0.2529, 0.2651

Deuteranomaly

47.6191, 0.2476, 0.2560

Tritanomaly

48.1767, 0.2394, 0.2910

Monochromacy



Original Color

48.2637, 0.2329, 0.2657

Achromatopsia

43.4154, 0.3127, 0.3290

Achromatomaly

44.4961, 0.2771, 0.3046

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.2637, 0.2329, 0.2657 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(116, 193, 242)` looks like.

```
.text, #text, p{  
    color:rgb(116, 193, 242)  
}
```

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(116, 193, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 193, 242) }
```

Border

The CSS property to change the border of an element to Yxy 48.2637, 0.2329, 0.2657 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(116, 193, 242) }
```


Background

The CSS property to change the background color of an element to Yxy 48.2637, 0.2329, 0.2657 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 193, 242) }
```

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

```
.background{ background-color: rgb(116,  
193, 242) }
```

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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