

Converting Colors

$Yxy(47.3614, 0.2266, 0.2668)$

Have a look what the booklet for
Yxy(47.3614, 0.2266, 0.2668)
contains.

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Color

Yxy(47.2001, 0.2263, 0.2657)

Conversions

Conversions Part 1

Format	Color
Hex	64C1F1
RGB	100, 193, 241
RGB Percent	39%, 76%, 95%
CMY	0.6081, 0.2431, 0.0547
CMYK	0.59, 0.20, 0.00, 0.05
HSL	200°, 83%, 67%
HSV	200°, 59%, 95%
XYZ	40.2009, 47.2001, 90.2433
YIQ	170.6650, -70.8360, -4.7880

Conversions

Conversions Part 2

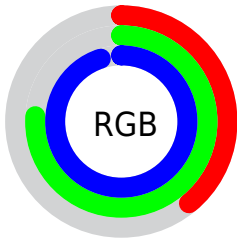
Format	Color
R _Y B	100, 156, 241
Decimal	6603249
CIE Lab	74.32, -13.98, -32.15
CIE LCh	74, 35.054, 246.497
Yxy	47.2001, 0.2263, 0.2657
Android (android.graphics.Color)	4284793329 (0xFF64C1F1)
YUV	170.6650, 34.6752, -61.9732
Hunter-Lab	68.7023, -15.7805, -29.7882

Details

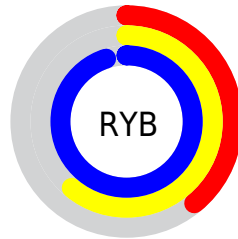
The Yxy color **47.2001, 0.2263, 0.2657** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **40.7943, 0.4583, 0.3802**, and the grayscale version is **40.3904, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.5484, 0.2600, 0.3222**, and **22.1502, 0.2045, 0.2469** is the 20% darker color. If you saturate the color by 10%, you get **42.4981, 0.2150, 0.2527**, and if you desaturate by 10%, it is **52.5132, 0.2392, 0.2783**.

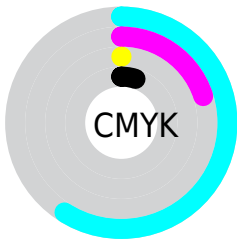
Distribution



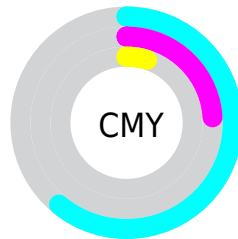
- Red (39%)
- Green (76%)
- Blue (95%)



- Red (39%)
- Yellow (61%)
- Blue (95%)



- Cyan (59%)
- Magenta (20%)
- Yellow (0%)
- Black (5%)




- Cyan (61%)
- Magenta (24%)
- Yellow (5%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 47.2001, 0.2263, 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 47.2001, 0.2263, 0.2657 by changing the saturation by 10% instead.


 47.2001, 0.2263,
0.2657

 47.2001, 0.2263,
0.2657


375.6127, 0.2677,
0.2974


 33.1939, 0.2167,
0.2580


 86.0122, 0.2408,
0.2771


 22.2750, 0.2047,
0.2482


 111.5869, 0.2464,
0.2814

 14.0591, 0.1896,
0.2354


 141.7866, 0.2513,
0.2851

 8.1618, 0.1699,
0.2183

 176.9955, 0.2554,
0.2883

 4.1986, 0.1437,
0.1944

217.5982, 0.2591,
0.2910

 1.7853, 0.1081,
0.1597

263.9791, 0.2623,

 0.4780, 0.0240,

0.2934

0.1013

316.5224, 0.2651,
0.2955

0.0000, 0.0000,
0.0000

47.2001, 0.2263,
0.2657

47.2001, 0.2263,
0.2657

42.4981, 0.2150,
0.2527

52.5132, 0.2392,
0.2783

38.3617, 0.2055,
0.2394

58.4678, 0.2534,
0.2904

34.7455, 0.1982,
0.2263


65.0982, 0.2684,
0.3017


31.5830, 0.1928,
0.2135


72.4339, 0.2839,
0.3121

31.1476, 0.1921,
0.2116

80.5027, 0.2995,
0.3216

 89.3306, 0.3149,
0.3302

 96.2595, 0.3212,
0.3381

 99.1334, 0.3208,
0.3424

Harmonies

Analogous

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



47.2001, 0.2267, 0.2989



47.2001, 0.2263, 0.2657



47.2001, 0.2465, 0.2516

Triad

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



47.2001, 0.2263, 0.2657



47.2001, 0.3797, 0.3089



47.2001, 0.3352, 0.4160

Complementary

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



47.2001, 0.2263, 0.2657



40.7943, 0.4583, 0.3802

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.



47.2001, 0.3791, 0.4113



47.2001, 0.2263, 0.2657



47.2001, 0.4071, 0.3473

Square

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



47.2001, 0.2263, 0.2657



47.2001, 0.3336, 0.2766



47.2001, 0.4063, 0.3845



47.2001, 0.2872, 0.3914

Rectangle

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



47.2001, 0.2263, 0.2657



47.2001, 0.2703, 0.2526



47.2001, 0.4063, 0.3845



47.2001, 0.3509, 0.4176

Sweetspot

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



47.2018, 0.2263, 0.2657



82.7433, 0.2847, 0.3126



67.7464, 0.2833, 0.4572



17.1690, 0.2801, 0.3097



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.



47.2018, 0.2263, 0.2657



47.4677, 0.2132, 0.2505



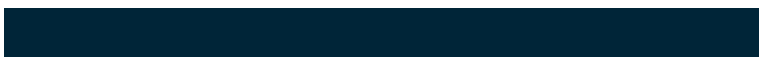
23.3351, 0.2050, 0.1693



16.9700, 0.2980, 0.3208



17.1440, 0.1927, 0.2137



1.6099, 0.1974, 0.2306

Inverse Universe

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



31.6589, 0.3710, 0.2327



30.4039, 0.3879, 0.2199



69.5228, 0.4095, 0.4481



15.9346, 0.3190, 0.3135



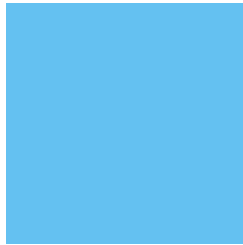
11.5241, 0.4301, 0.2143



0.9772, 0.4120, 0.2043

Previews

White Background



This preview shows how the Yxy color 47.2001, 0.2263, 0.2657 looks on a white background.

Color Contrast Check

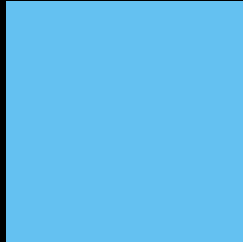
Large Text (above 18pt) WCAG AA × Fail

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 47.2001, 0.2263, 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

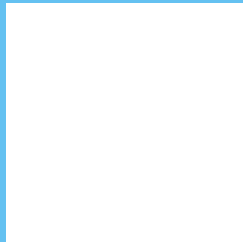
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 47.2001, 0.2263, 0.2657

Background



This preview shows how black text looks on a background with the Yxy color 47.2001, 0.2263, 0.2657.



This preview shows how white text looks on a background with the Yxy color 47.2001, 0.2263, 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

47.2001, 0.2263, 0.2657

Protanopia

46.8471, 0.2675, 0.2660

Deuteranopia

46.7712, 0.2567, 0.2503



Tritanopia

47.3179, 0.2353, 0.3062

Trichromacy



Original Color

47.2001, 0.2263, 0.2657

Protanomaly

46.6254, 0.2495, 0.2653

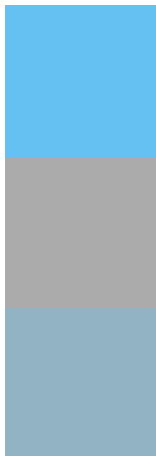
Deuteranomaly

46.4148, 0.2432, 0.2548

Tritanomaly

47.1370, 0.2316, 0.2903

Monochromacy



Original Color

47.2001, 0.2263, 0.2657

Achromatopsia

40.7240, 0.3127, 0.3290

Achromatomaly

42.2455, 0.2728, 0.3053

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.2001, 0.2263, 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(100, 193, 241)` looks like.

```
.text, #text, p{  
    color:rgb(100, 193, 241)  
}
```

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(100, 193, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 193, 241) }
```

Border

The CSS property to change the border of an element to Yxy 47.2001, 0.2263, 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(100, 193, 241) }
```

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

```
.border{ border-color:rgb(100, 193, 241) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 193, 241)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 193, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 193, 241);  
box-shadow:4px 4px 4px 4px rgb(100, 193,  
241) }
```


Background

The CSS property to change the background color of an element to Yxy 47.2001, 0.2263, 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(100, 193, 241) }
```

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

```
.background{ background-color: rgb(100,  
193, 241) }
```

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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