

Converting Colors

$Yxy(46.4734, 0.2120, 0.2660)$

Have a look what the booklet for
Yxy(46.4734, 0.2120, 0.2660)
contains.

Yxy(46.5436, 0.2121, 0.2666)	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(46.5436, 0.2121, 0.2666)

Conversions

Conversions Part 1

Format	Color
Hex	31C4F2
RGB	49, 196, 242
RGB Percent	19%, 77%, 95%
CMY	0.8078, 0.2313, 0.0511
CMYK	0.80, 0.19, 0.00, 0.05
HSL	194°, 88%, 57%
HSV	194°, 80%, 95%
XYZ	37.0289, 46.5436, 91.0097
YIQ	157.2910, -102.3780, -16.8580

Conversions

Conversions Part 2

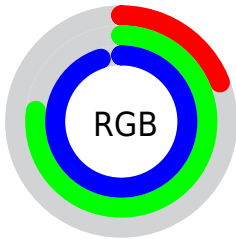
Format	Color
R_{YB}	49, 132, 242
Decimal	3261682
CIE _{Lab}	73.90, -22.31, -33.40
CIE _{LCh}	74, 40.167, 236.261
Yxy	46.5436, 0.2121, 0.2666
Android (android.graphics.Color)	4281451762 (0xFF31C4F2)
YUV	157.2910, 41.7615, -94.9712
Hunter-Lab	68.2229, -22.5068, -31.3372

Details

The Yxy color **46.5436, 0.2121, 0.2666** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light washed cyan. A complement of this color would be **27.2705, 0.5536, 0.3660**, and the grayscale version is **33.6981, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.9062, 0.2463, 0.3265**, and **22.8912, 0.2030, 0.2507** is the 20% darker color. If you saturate the color by 10%, you get **43.5461, 0.2064, 0.2577**, and if you desaturate by 10%, it is **49.9667, 0.2198, 0.2755**.

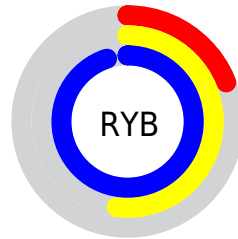
Distribution



Red (19%)

Green (77%)

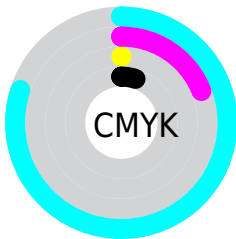
Blue (95%)



Red (19%)

Yellow (52%)

Blue (95%)

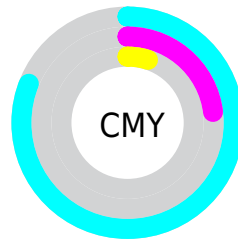


Cyan (80%)

Magenta (19%)

Yellow (0%)

Black (5%)



Cyan (81%)


Magenta (23%)

Yellow (5%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.5436, 0.2121, 0.2666 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 46.5436, 0.2121, 0.2666 by changing the saturation by 10% instead.

 46.5436, 0.2121,
0.2666


 46.5436, 0.2121,
0.2666


372.9898, 0.2599,
0.2985


 32.6750, 0.2011,
0.2587


 85.0320, 0.2288,
0.2782

 21.8776, 0.1876,
0.2486


 110.4205, 0.2353,
0.2826


 13.7670, 0.1706,
0.2354


 140.4178, 0.2408,
0.2862

 7.9588, 0.1488,
0.2175

 175.4083, 0.2456,
0.2894

 4.0686, 0.1206,
0.1924

 215.7764, 0.2499,
0.2921

 1.7120, 0.0838,
0.1560

261.9064, 0.2536,

 0.4314, 0.0000,

0.2945

0.0927

314.1827, 0.2569,
0.2966

■ 0.0000, 0.0000,
0.0000

■ 46.5436, 0.2121,
0.2666

■ 46.5436, 0.2121,
0.2666

■ 43.5461, 0.2064,
0.2577

■ 49.9667, 0.2198,
0.2755

■ 40.8943, 0.2025,
0.2489

■ 53.8567, 0.2294,
0.2844

■ 40.8300, 0.2024,
0.2487

■ 58.2546, 0.2407,
0.2930

■ 63.1947, 0.2536,
0.3013

■ 68.7079, 0.2676,
0.3091

■ 74.8225, 0.2824,
0.3164

■ 81.5646, 0.2976,
0.3231

■ 88.9588, 0.3131,
0.3291

■ 94.7267, 0.3208,
0.3347

Harmonies

Analogous

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



46.5436, 0.2205, 0.3108



46.5436, 0.2121, 0.2666



46.5436, 0.2270, 0.2438

Triad

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



46.5436, 0.2121, 0.2666



46.5436, 0.3732, 0.2922



46.5436, 0.3562, 0.4314

Complementary

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



46.5436, 0.2121, 0.2666



27.2705, 0.5536, 0.3660

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.



46.5436, 0.4018, 0.4143



46.5436, 0.2121, 0.2666



46.5436, 0.4141, 0.3337

Square

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



46.5436, 0.2121, 0.2666



46.5436, 0.3165, 0.2599



46.5436, 0.4243, 0.3774



46.5436, 0.3011, 0.4152

Rectangle

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



46.5436, 0.2121, 0.2666



46.5436, 0.2492, 0.2406



46.5436, 0.4243, 0.3774



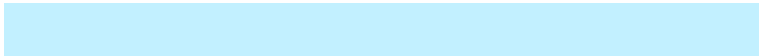
46.5436, 0.3732, 0.4289

Sweetspot

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



46.5452, 0.2121, 0.2666



81.2329, 0.2759, 0.3133



64.9463, 0.2889, 0.5356



16.8663, 0.2706, 0.3107



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.



46.5452, 0.2121, 0.2666



47.0801, 0.2038, 0.2520



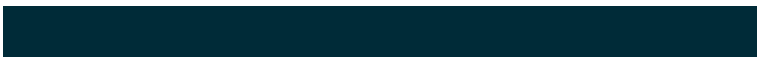
16.2645, 0.1764, 0.1310



17.2536, 0.2981, 0.3232



22.1626, 0.2028, 0.2502



1.9953, 0.2061, 0.2618

Inverse Universe

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



25.0540, 0.3745, 0.1968



25.4987, 0.3901, 0.1935



56.1412, 0.4541, 0.4578



15.9633, 0.3174, 0.3112



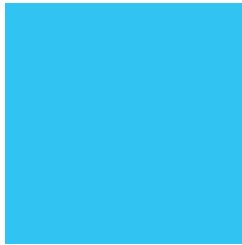
12.0307, 0.3921, 0.1933



1.0161, 0.3807, 0.1871

Previews

White Background



This preview shows how the Yxy color 46.5436, 0.2121, 0.2666 looks on a white background.

Color Contrast Check

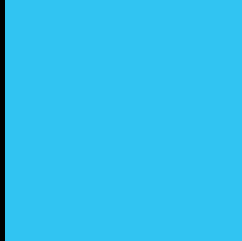
Large Text (above 18pt) WCAG AA × Fail

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 46.5436, 0.2121, 0.2666 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

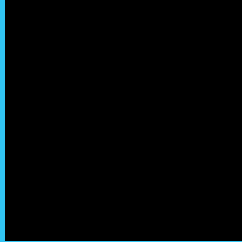
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 46.5436, 0.2121, 0.2666

Background



This preview shows how black text looks on a background with the Yxy color 46.5436, 0.2121, 0.2666.



This preview shows how white text looks on a background with the Yxy color 46.5436, 0.2121, 0.2666.

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

46.5436, 0.2121, 0.2666

Protanopia

45.7134, 0.2671, 0.2654

Deuteranopia

45.9682, 0.2522, 0.2463



Tritanopia

46.3183, 0.2178, 0.3041

Trichromacy



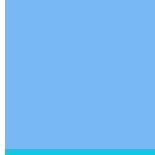
Original Color

46.5436, 0.2121, 0.2666



Protanomaly

44.9235, 0.2386, 0.2645



Deuteranomaly

45.2836, 0.2312, 0.2519



Tritanomaly

46.4664, 0.2150, 0.2905

Monochromacy



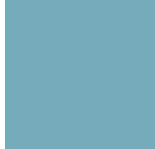
Original Color

46.5436, 0.2121, 0.2666



Achromatopsia

33.7164, 0.3127, 0.3290



Achromatomaly

36.6082, 0.2577, 0.3032

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.5436, 0.2121, 0.2666 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(49, 196, 242)` looks like.

```
.text, #text, p{  
    color:rgb(49, 196, 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(49, 196, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(49, 196, 242) }
```

Border

The CSS property to change the border of an element to Yxy 46.5436, 0.2121, 0.2666 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(49, 196, 242) }
```

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

```
.border{ border-color:rgb(49, 196, 242) }
```

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

Here you see how a box with a 4 pixel `rgb(49, 196, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(49, 196, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(49, 196, 242);  
box-shadow:4px 4px 4px 4px rgb(49, 196,  
242) }
```


Background

The CSS property to change the background color of an element to Yxy 46.5436, 0.2121, 0.2666 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(49, 196, 242) }
```

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

```
.background{ background-color: rgb(49, 196,  
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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