

Converting Colors

$Y_{xy}(47.6172, 0.2120, 0.2779)$

Have a look what the booklet for
Yxy(47.6172, 0.2120, 0.2779)
contains.

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Color

Yxy(47.6172, 0.2120, 0.2779)

Conversions

Conversions Part 1

Format	Color
Hex	18C8ED
RGB	24, 200, 237
RGB Percent	9%, 78%, 93%
CMY	0.9041, 0.2157, 0.0705
CMYK	0.90, 0.16, 0.00, 0.07
HSL	190°, 86%, 51%
HSV	190°, 90%, 93%
XYZ	36.3255, 47.6172, 87.4039
YIQ	151.5940, -116.7730, -25.8050

Conversions

Conversions Part 2

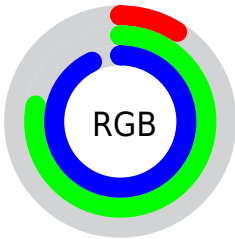
Format	Color
R _Y B	24, 120, 237
Decimal	1624301
CIE Lab	74.58, -27.59, -29.70
CIE LCh	75, 40.538, 227.104
Yxy	47.6172, 0.2120, 0.2779
Android (android.graphics.Color)	4279814381 (0xFF18C8ED)
YUV	151.5940, 42.1052, -111.8999
Hunter-Lab	69.0052, -26.7938, -26.7947

Details

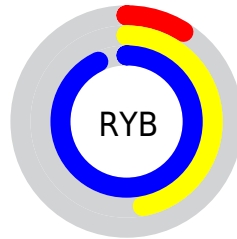
The Yxy color **47.6172, 0.2120, 0.2779** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light washed cyan. A complement of this color would be **21.4619, 0.5997, 0.3498**, and the grayscale version is **31.1274, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.4530, 0.2433, 0.3288**, and **23.8940, 0.2072, 0.2659** is the 20% darker color. If you saturate the color by 10%, you get **45.5378, 0.2088, 0.2717**, and if you desaturate by 10%, it is **49.9890, 0.2168, 0.2842**.

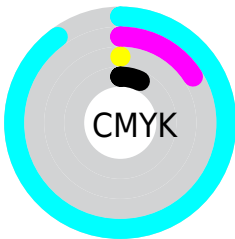
Distribution



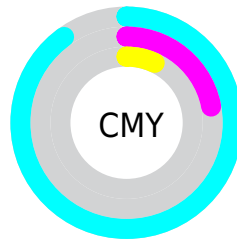
- Red (9%)
- Green (78%)
- Blue (93%)



- Red (9%)
- Yellow (47%)
- Blue (93%)



- Cyan (90%)
- Magenta (16%)
- Yellow (0%)
- Black (7%)




- Cyan (90%)
- Magenta (22%)
- Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 47.6172, 0.2120, 0.2779 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 47.6172, 0.2120, 0.2779 by changing the saturation by 10% instead.


 47.6172, 0.2120,
0.2779

 47.6172, 0.2120,
0.2779


377.2728, 0.2597,
0.3045


 33.5238, 0.2010,
0.2711


 86.6342, 0.2287,
0.2877

 22.5280, 0.1875,
0.2624


 112.3266, 0.2351,
0.2914

 14.2454, 0.1705,
0.2508


 142.6541, 0.2407,
0.2944

 8.2915, 0.1488,
0.2349

 178.0012, 0.2455,
0.2970

 4.2821, 0.1205,
0.2121

 218.7522, 0.2497,
0.2993

 1.8326, 0.0835,
0.1777

265.2916, 0.2534,

 0.5073, 0.0000,

0.3013

0.1186

318.0036, 0.2568,
0.3030

■ 0.0000, 0.0000,
0.0000

■ 47.6172, 0.2120,
0.2779

■ 47.6172, 0.2120,
0.2779

■ 45.5378, 0.2088,
0.2717

■ 49.9890, 0.2168,
0.2842

■ 45.4742, 0.2088,
0.2715

■ 52.7188, 0.2236,
0.2905

■ 55.8517, 0.2323,
0.2968

■ 59.4240, 0.2428,
0.3030

■ 63.4680, 0.2549,
0.3089

■ 68.0122, 0.2683,
0.3145

■ 73.0831, 0.2827,
0.3198

■ 78.7048, 0.2978,
0.3247

■ 84.9001, 0.3132,
0.3291

Harmonies

Analogous

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



47.6172, 0.2276, 0.3276



47.6172, 0.2120, 0.2779



47.6172, 0.2199, 0.2483

Triad

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



47.6172, 0.2120, 0.2779



47.6172, 0.3567, 0.2810



47.6172, 0.3719, 0.4294

Complementary

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



47.6172, 0.2120, 0.2779



21.4619, 0.5997, 0.3498

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.



47.6172, 0.4119, 0.4045



47.6172, 0.2120, 0.2779



47.6172, 0.4046, 0.3205

Square

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



47.6172, 0.2120, 0.2779



47.6172, 0.2992, 0.2526



47.6172, 0.4250, 0.3643



47.6172, 0.3180, 0.4242

Rectangle

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



47.6172, 0.2120, 0.2779



47.6172, 0.2378, 0.2408



47.6172, 0.4250, 0.3643



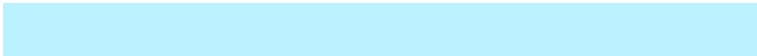
47.6172, 0.3874, 0.4237

Sweetspot

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



47.6189, 0.2120, 0.2779



81.7845, 0.2719, 0.3159



61.0988, 0.2943, 0.5711



17.0852, 0.2671, 0.3141



0.0000, 0.0000, 0.0000



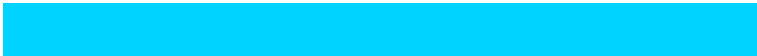
21.4041, 0.3127, 0.3290

Same Dimension

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



47.6189, 0.2120, 0.2779



53.6047, 0.2087, 0.2712



14.5539, 0.1703, 0.1252



16.6495, 0.2981, 0.3248



24.9975, 0.2090, 0.2725



2.0802, 0.2114, 0.2812

Inverse Universe

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



22.8479, 0.3650, 0.1825



25.9426, 0.3716, 0.1821



45.4035, 0.4816, 0.4484



15.2661, 0.3164, 0.3098



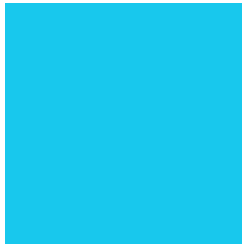
12.0163, 0.3704, 0.1814



0.9554, 0.3624, 0.1770

Previews

White Background



This preview shows how the Yxy color 47.6172, 0.2120, 0.2779 looks on a white background.

Color Contrast Check

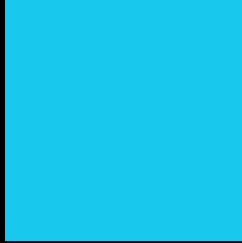
Large Text (above 18pt) WCAG AA × Fail

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 47.6172, 0.2120, 0.2779 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 47.6172, 0.2120, 0.2779

Background



This preview shows how black text looks on a background with the Yxy color 47.6172, 0.2120, 0.2779.

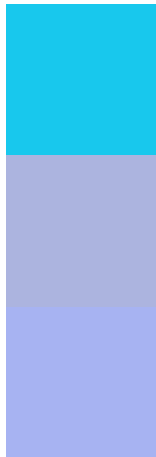


This preview shows how white text looks on a background with the Yxy color 47.6172, 0.2120, 0.2779.

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

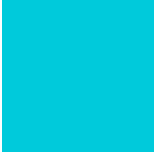
47.6172, 0.2120, 0.2779

Protanopia

46.7409, 0.2748, 0.2753

Deuteranopia

46.8665, 0.2593, 0.2527



Tritanopia

47.3555, 0.2179, 0.3043

Trichromacy



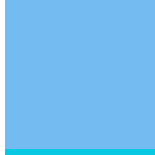
Original Color

47.6172, 0.2120, 0.2779



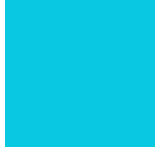
Protanomaly

44.9936, 0.2389, 0.2739



Deuteranomaly

45.4768, 0.2317, 0.2597



Tritanomaly

47.3224, 0.2153, 0.2934

Monochromacy



Original Color

47.6172, 0.2120, 0.2779



Achromatopsia

31.3989, 0.3127, 0.3290



Achromatomaly

34.8590, 0.2526, 0.3070

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.6172, 0.2120, 0.2779 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(24, 200, 237)` looks like.

```
.text, #text, p{  
    color:rgb(24, 200, 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(24, 200, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(24, 200, 237) }
```

Border

The CSS property to change the border of an element to Yxy 47.6172, 0.2120, 0.2779 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(24, 200, 237) }
```

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

```
.border{ border-color:rgb(24, 200, 237) }
```

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

Here you see how a box with a 4 pixel rgb(24, 200, 237) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(24, 200, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(24, 200, 237);  
box-shadow:4px 4px 4px 4px rgb(24, 200,  
237) }
```


Background

The CSS property to change the background color of an element to Yxy 47.6172, 0.2120, 0.2779 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(24, 200, 237) }
```

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

```
.background{ background-color: rgb(24, 200,  
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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