

Converting Colors

Yxy(48.1464, 0.2727, 0.3221)

Have a look what the booklet for
Yxy(48.1464, 0.2727, 0.3221)
contains.

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Color

Yxy(48.1464, 0.2727, 0.3221)

Conversions

Conversions Part 1	
Format	Color
Hex	90C1C6
RGB	144, 193, 198
RGB Percent	56%, 76%, 78%
CMY	0.4353, 0.2431, 0.2235
CMYK	0.27, 0.03, 0.00, 0.22
HSL	186°, 32%, 67%
HSV	186°, 27%, 78%
XYZ	40.7623, 48.1464, 60.5679
YIQ	178.9190, -30.8090, -8.8330

Conversions

Conversions Part 2

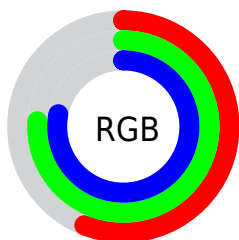
Format	Color
RYB	144, 170, 198
Decimal	9486790
CIELab	74.92, -14.82, -7.73
CIELCh	75, 16.719, 207.540
Yxy	48.1464, 0.2727, 0.3221
Android (android.graphics.Color)	4287676870 (0xFF90C1C6)
YUV	178.9190, 9.4069, -30.6240
Hunter-Lab	69.3876, -16.5672, -3.1825

Details

The Yxy color `48.1464, 0.2727, 0.3221` is a light color, and the websafe version is hex `99CCCC`. A complement of this color would be `35.5063, 0.3694, 0.3358`, and the grayscale version is `44.9947, 0.3127, 0.3290`.

A 20% lighter version of the original color is `87.7333, 0.2796, 0.3237`, and `22.7542, 0.2623, 0.3195` is the 20% darker color. If you saturate the color by 10%, you get `45.7155, 0.2598, 0.3192`, and if you desaturate by 10%, it is `50.9038, 0.2867, 0.3248`.

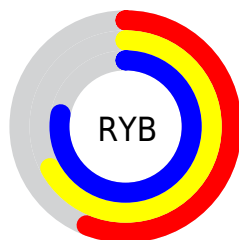
Distribution



Red (56%)

Green (76%)

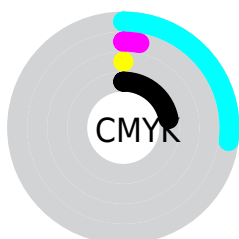
Blue (78%)



Red (56%)

Yellow (67%)

Blue (78%)

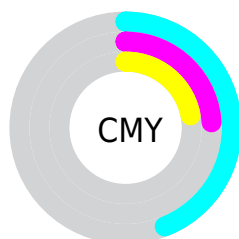


Cyan (27%)

Magenta (3%)

Yellow (0%)

Black (22%)



Cyan (44%)


Magenta (24%)

Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 48.1464, 0.2727, 0.3221 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 48.1464, 0.2727, 0.3221 by changing the saturation by 10% instead.

 48.1464, 0.2727,
0.3221

 48.1464, 0.2727,
0.3221


379.3721, 0.2924,
0.3258

 33.9428, 0.2679,
0.3211


 87.4223, 0.2798,
0.3235

 22.8497, 0.2618,
0.3197


 113.2635, 0.2824,
0.3240

 14.4826, 0.2538,
0.3179


143.7527, 0.2847,
0.3245

 8.4571, 0.2428,
0.3151

179.2742, 0.2867,
0.3248

 4.3888, 0.2270,
0.3108

220.2125, 0.2884,
0.3251

 1.8933, 0.2021,
0.3029


266.9520, 0.2899,

 0.5444, 0.0844,

0.3254


0.2954


319.8771, 0.2912,
0.3256

 0.0000, 0.0000,
0.0000

 48.1464, 0.2727,
0.3221

 48.1464, 0.2727,
0.3221


 45.7155, 0.2598,
0.3192


 50.9038, 0.2867,
0.3248


 43.5889, 0.2483,
0.3162


 53.9972, 0.3016,
0.3273

 41.7508, 0.2384,
0.3131

 57.4425, 0.3169,
0.3296


 40.1813, 0.2303,
0.3099


 61.2533, 0.3325,
0.3317


 38.8582, 0.2241,
0.3068


 65.4420, 0.3481,
0.3335

 37.7554, 0.2198,
0.3036


 68.5141, 0.3574,
0.3353

 36.8365, 0.2172,
0.3005

 69.3886, 0.3570,
0.3372

 36.6008, 0.2166,
0.2996

 70.2734, 0.3565,
0.3390

 71.1685, 0.3561,
0.3409

Harmonies

Analogous

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



48.1464, 0.2868, 0.3439



48.1464, 0.2727, 0.3221



48.1464, 0.2690, 0.3033

Triad

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



48.1464, 0.2727, 0.3221



48.1464, 0.3161, 0.2991



48.1464, 0.3498, 0.3660

Complementary

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



48.1464, 0.2727, 0.3221



35.5063, 0.3694, 0.3358

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.



48.1464, 0.3585, 0.3524



48.1464, 0.2727, 0.3221



48.1464, 0.3386, 0.3144

Square

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



48.1464, 0.2727, 0.3221



48.1464, 0.2933, 0.2911



48.1464, 0.3544, 0.3336



48.1464, 0.3312, 0.3699

Rectangle

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



48.1464, 0.2727, 0.3221



48.1464, 0.2727, 0.2950



48.1464, 0.3544, 0.3336



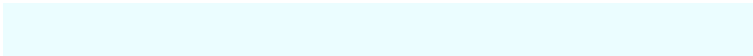
48.1464, 0.3540, 0.3623

Sweetspot

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



48.1483, 0.2727, 0.3221



95.1376, 0.3003, 0.3271



48.4684, 0.3060, 0.4000



20.1775, 0.2980, 0.3267



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.



48.1483, 0.2727, 0.3221



82.5210, 0.2645, 0.3203



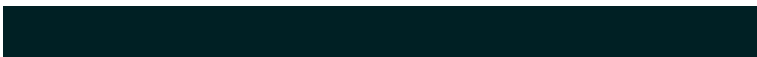
37.4568, 0.2690, 0.2845



11.8935, 0.2984, 0.3268



23.8701, 0.2167, 0.3001



1.1804, 0.2185, 0.3066

Inverse Universe

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



35.7988, 0.3205, 0.2676



57.0586, 0.3226, 0.2536



44.8707, 0.3605, 0.3698



10.7991, 0.3152, 0.3083



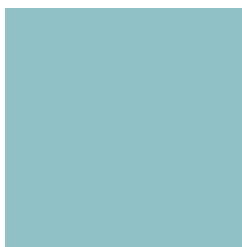
9.9497, 0.3454, 0.1676



0.4762, 0.3397, 0.1645

Previews

White Background



This preview shows how the Yxy color 48.1464, 0.2727, 0.3221 looks on a white background.

Color Contrast Check

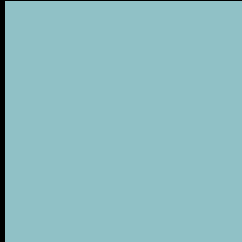
Large Text (above 18pt) WCAG AA × Fail

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 48.1464, 0.2727, 0.3221 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

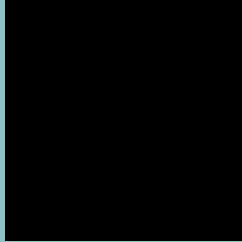
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

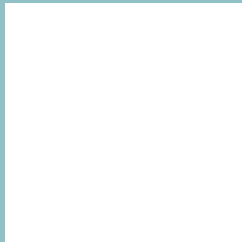
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 48.1464, 0.2727, 0.3221

Background



This preview shows how black text looks on a background with the Yxy color 48.1464, 0.2727, 0.3221.

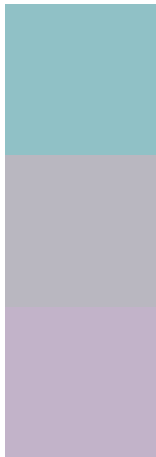


This preview shows how white text looks on a background with the Yxy color 48.1464, 0.2727, 0.3221.

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

48.1464, 0.2727, 0.3221

Protanopia

47.9870, 0.3074, 0.3175

Deuteranopia



47.9266, 0.3081, 0.3019




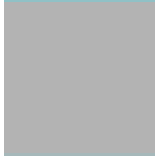

Tritanopia

48.3153, 0.2683, 0.3089

Trichromacy

	Original Color 48.1464, 0.2727, 0.3221
	Protanomaly 47.9817, 0.2938, 0.3198
	Deuteranomaly 47.6812, 0.2941, 0.3084
	Tritanomaly 48.0786, 0.2695, 0.3128

Monochromacy

	Original Color 48.1464, 0.2727, 0.3221
	Achromatopsia 45.0786, 0.3127, 0.3290
	Achromatomaly 45.9331, 0.2964, 0.3263

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.1464, 0.2727, 0.3221 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(144, 193, 198) looks like.

```
.text, #text, p{  
    color:rgb(144, 193, 198)  
}
```

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(144, 193, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 193, 198) }
```

Border

The CSS property to change the border of an element to Yxy 48.1464, 0.2727, 0.3221 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(144, 193, 198) }
```

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

```
.border{ border-color:rgb(144, 193, 198) }
```

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

Here you see how a box with a 4 pixel rgb(144, 193, 198) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(144, 193, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(144, 193, 198);  
box-shadow:4px 4px 4px 4px rgb(144, 193,  
198) }
```


Background

The CSS property to change the background color of an element to Yxy 48.1464, 0.2727, 0.3221 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 193, 198) }
```

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

```
.background{ background-color: rgb(144,  
193, 198) }
```

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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