

Converting Colors

$Yxy(16.9502, 0.2264, 0.3087)$

Have a look what the booklet for
Yxy(16.9502, 0.2264, 0.3087)
contains.

Yxy(16.9943, 0.2266, 0.3090)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(16.9943, 0.2266, 0.3090)

Conversions

Conversions Part 1

Format	Color
Hex	217E87
RGB	33, 126, 135
RGB Percent	13%, 49%, 53%
CMY	0.8702, 0.5059, 0.4706
CMYK	0.75, 0.07, 0.00, 0.47
HSL	185°, 61%, 33%
HSV	185°, 75%, 53%
XYZ	12.4625, 16.9943, 25.5409
YIQ	99.2190, -58.3170, -16.9170

Conversions

Conversions Part 2

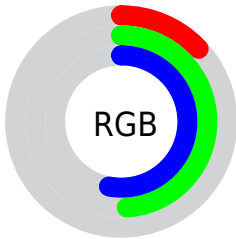
Format	Color
R_{YB}	33, 82, 135
Decimal	2195079
CIE _{Lab}	48.25, -22.94, -12.56
CIE _{LCh}	48, 26.153, 208.713
Yxy	16.9943, 0.2266, 0.3090
Android (android.graphics.Color)	4280385159 (0xFF217E87)
YUV	99.2190, 17.6400, -58.0741
Hunter-Lab	41.2241, -18.1798, -7.8770

Details

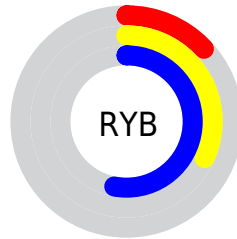
The Yxy color **16.9943, 0.2266, 0.3090** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **6.9218, 0.5489, 0.3424**, and the grayscale version is **12.5073, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.3039, 0.2460, 0.3150**, and **5.9636, 0.2171, 0.3016** is the 20% darker color. If you saturate the color by 10%, you get **16.5118, 0.2217, 0.3061**, and if you desaturate by 10%, it is **17.5711, 0.2333, 0.3119**.

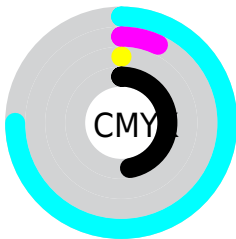
Distribution



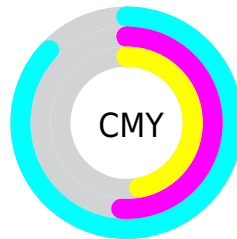
- Red (13%)
- Green (49%)
- Blue (53%)



- Red (13%)
- Yellow (32%)
- Blue (53%)



- Cyan (75%)
- Magenta (7%)
- Yellow (0%)
- Black (47%)



- Cyan (87%)
- Magenta (51%)
- Yellow (47%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 16.9943, 0.2266, 0.3090 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 16.9943, 0.2266, 0.3090 by changing the saturation by 10% instead.


 16.9943, 0.2266,
0.3090


 16.9943, 0.2266,
0.3090


 235.1395, 0.2754,
0.3220


 10.2304, 0.2122,
0.3043


 38.3160, 0.2459,
0.3147


 5.5520, 0.1922,
0.2970

 53.6426, 0.2527,
0.3165

 2.5746, 0.1629,
0.2845

 72.5922, 0.2582,
0.3179

 0.9139, 0.0904,
0.2679

 95.5492, 0.2628,
0.3190

 0.0000, 0.0000,
0.0000

 122.8981, 0.2667,
0.3200

 155.0232, 0.2700,

0.3207

192.3088, 0.2729,
0.3214

■ 16.9943, 0.2266,
0.3090

■ 16.9943, 0.2266,
0.3090

■ 16.5118, 0.2217,
0.3061

■ 17.5711, 0.2333,
0.3119

■ 16.1074, 0.2185,
0.3032

■ 18.2500, 0.2417,
0.3149

■ 15.9344, 0.2172,
0.3019

■ 19.0398, 0.2518,
0.3177

■ 19.9481, 0.2634,
0.3205

■ 20.9815, 0.2762,
0.3231

■ 22.1465, 0.2900,
0.3255

■ 23.4488, 0.3045,
0.3278

■ 24.8939, 0.3195,
0.3299

■ 26.4871, 0.3347,
0.3318

Harmonies

Analogous

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



16.9943, 0.2541, 0.3600



16.9943, 0.2266, 0.3090



16.9943, 0.2205, 0.2698

Triad

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



16.9943, 0.2266, 0.3090



16.9943, 0.3208, 0.2674



16.9943, 0.3917, 0.4095

Complementary

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



16.9943, 0.2266, 0.3090



6.9218, 0.5489, 0.3424

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.



16.9943, 0.4139, 0.3772



16.9943, 0.2266, 0.3090



16.9943, 0.3717, 0.2983

Square

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



16.9943, 0.2266, 0.3090



16.9943, 0.2714, 0.2500



16.9943, 0.4069, 0.3372



16.9943, 0.3489, 0.4220

Rectangle

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



16.9943, 0.2266, 0.3090



16.9943, 0.2285, 0.2543



16.9943, 0.4069, 0.3372



16.9943, 0.4019, 0.4003

Sweetspot

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



16.9949, 0.2266, 0.3090



37.9731, 0.2789, 0.3236



17.8140, 0.2977, 0.5465



8.6479, 0.2746, 0.3228



69.2071, 0.3127, 0.3290



10.0482, 0.3127, 0.3290

Same Dimension

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



16.9949, 0.2266, 0.3090



29.0192, 0.2192, 0.3039



7.1803, 0.1955, 0.1858



5.2105, 0.2992, 0.3270



14.7057, 0.2172, 0.3020



0.0561, 0.2212, 0.3163

Inverse Universe

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



7.7489, 0.3363, 0.1822



12.1923, 0.3417, 0.1695



13.0068, 0.4658, 0.4285



4.7559, 0.3149, 0.3094



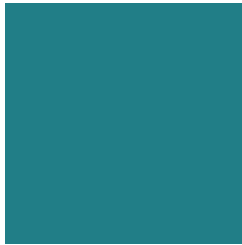
6.0715, 0.3437, 0.1667



0.0216, 0.3313, 0.1599

Previews

White Background



This preview shows how the Yxy color 16.9943, 0.2266, 0.3090 looks on a white 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 × Fail

Black Background



This preview shows how the Yxy color 16.9943, 0.2266, 0.3090 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

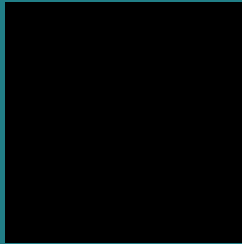
Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

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

Yxy 16.9943, 0.2266, 0.3090

Background



This preview shows how black text looks on a background with the Yxy color 16.9943, 0.2266, 0.3090.

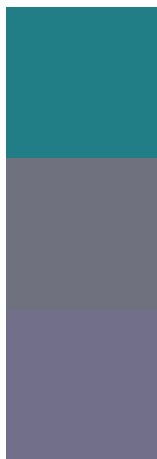


This preview shows how white text looks on a background with the Yxy color 16.9943, 0.2266, 0.3090.

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

16.9943, 0.2266, 0.3090

Protanopia

16.7873, 0.2950, 0.3016

Deuteranopia

16.7146, 0.2839, 0.2778



Tritanopia

17.0394, 0.2263, 0.3069

Trichromacy



Original Color

16.9943, 0.2266, 0.3090

Protanomaly

16.4076, 0.2605, 0.3037

Deuteranomaly

16.1817, 0.2546, 0.2857

Tritanomaly

17.0394, 0.2263, 0.3069

Monochromacy



Original Color

16.9943, 0.2266, 0.3090

Achromatopsia

12.4772, 0.3127, 0.3290

Achromatomaly

13.6030, 0.2673, 0.3219

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.9943, 0.2266, 0.3090 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(33, 126, 135)` looks like.

```
.text, #text, p{  
  color:rgb(33, 126, 135)  
}
```

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(33, 126, 135) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(33, 126, 135) }
```

Border

The CSS property to change the border of an element to Yxy 16.9943, 0.2266, 0.3090 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(33, 126, 135) }
```

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

```
.border{ border-color:rgb(33, 126, 135) }
```

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

Here you see how a box with a 4 pixel rgb(33, 126, 135) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(33, 126, 135); -webkit-box-  
shadow:4px 4px 4px 4px rgb(33, 126, 135);  
box-shadow:4px 4px 4px 4px rgb(33, 126,  
135) }
```


Background

The CSS property to change the background color of an element to Yxy 16.9943, 0.2266, 0.3090 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(33, 126, 135) }
```

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

```
.background{ background-color: rgb(33, 126,  
135) }
```

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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