

Converting Colors

$Yxy(21.0462, 0.2289, 0.3358)$

Have a look what the booklet for
Yxy(21.0462, 0.2289, 0.3358)
contains.

Yxy(20.9949, 0.2286, 0.3350)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

$Y_{xy}(20.9949, 0.2286, 0.3350)$

Conversions

Conversions Part 1

Format	Color
Hex	108D8A
RGB	16, 141, 138
RGB Percent	6%, 55%, 54%
CMY	0.9374, 0.4471, 0.4587
CMYK	0.89, 0.00, 0.02, 0.45
HSL	179°, 80%, 31%
HSV	179°, 89%, 55%
XYZ	14.3267, 20.9949, 27.3498
YIQ	103.2830, -73.5370, -27.4330

Conversions

Conversions Part 2

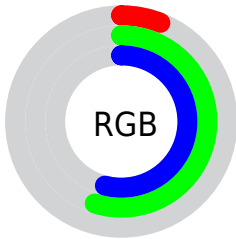
Format	Color
RYB	16, 79, 141
Decimal	1084810
CIELab	52.94, -31.08, -7.32
CIElCh	53, 31.927, 193.258
Yxy	20.9949, 0.2286, 0.3350
Android (android.graphics.Color)	4279274890 (0xFF108D8A)
YUV	103.2830, 17.1155, -76.5472
Hunter-Lab	45.8202, -24.3735, -3.3157

Details

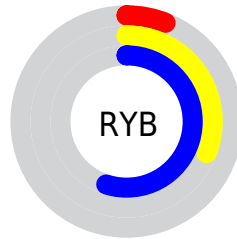
The Yxy color **20.9949, 0.2286, 0.3350** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **6.0795, 0.6082, 0.3276**, and the grayscale version is **13.6093, 0.3127, 0.3290**.

A 20% lighter version of the original color is **44.9655, 0.2467, 0.3348**, and **8.0169, 0.2264, 0.3350** is the 20% darker color. If you saturate the color by 10%, you get **20.8881, 0.2268, 0.3357**, and if you desaturate by 10%, it is **21.1726, 0.2317, 0.3343**.

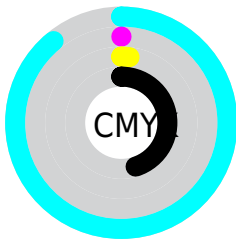
Distribution



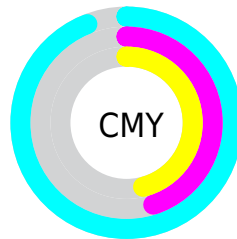
- Red (6%)
- Green (55%)
- Blue (54%)



- Red (6%)
- Yellow (31%)
- Blue (55%)



- Cyan (89%)
- Magenta (0%)
- Yellow (2%)
- Black (45%)




- Cyan (94%)
- Magenta (45%)
- Yellow (46%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 20.9949, 0.2286, 0.3350 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 20.9949, 0.2286, 0.3350 by changing the saturation by 10% instead.


 20.9949, 0.2286,
0.3350


 20.9949, 0.2286,
0.3350


 257.2514, 0.2751,
0.3327


 13.1203, 0.2153,
0.3351


 45.0790, 0.2467,
0.3345

 7.5114, 0.1973,
0.3348


 62.0574, 0.2531,
0.3342

 3.7839, 0.1715,
0.3334

 82.8390, 0.2584,
0.3339

 1.5535, 0.1282,
0.3300

 107.8084, 0.2628,
0.3336

 0.3259, 0.0000,
0.2733

 137.3500, 0.2666,
0.3334

 0.0000, 0.0000,
0.0000

 171.8480, 0.2699,

0.3331

211.6871, 0.2727,
0.3329

■ 20.9949, 0.2286,
0.3350

■ 20.9949, 0.2286,
0.3350

■ 20.8881, 0.2268,
0.3357

■ 21.1726, 0.2317,
0.3343

■ 20.8747, 0.2266,
0.3358

■ 21.4446, 0.2365,
0.3335

■ 21.8229, 0.2432,
0.3328

■ 22.3171, 0.2516,
0.3320

■ 22.9358, 0.2617,
0.3313

■ 23.6869, 0.2733,
0.3307

■ 24.5775, 0.2862,
0.3300

■ 25.6141, 0.3001,
0.3295

■ 26.8031, 0.3147,
0.3289

Harmonies

Analogous

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



20.9949, 0.2700, 0.3935



20.9949, 0.2286, 0.3350



20.9949, 0.2096, 0.2815

Triad

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



20.9949, 0.2286, 0.3350



20.9949, 0.2914, 0.2477



20.9949, 0.4186, 0.4020

Complementary

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



20.9949, 0.2286, 0.3350



6.0795, 0.6082, 0.3276

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.



20.9949, 0.4281, 0.3593



20.9949, 0.2286, 0.3350



20.9949, 0.3506, 0.2750

Square

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



20.9949, 0.2286, 0.3350



20.9949, 0.2430, 0.2376



20.9949, 0.4027, 0.3144



20.9949, 0.3800, 0.4309

Rectangle

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



20.9949, 0.2286, 0.3350



20.9949, 0.2103, 0.2568



20.9949, 0.4027, 0.3144



20.9949, 0.4256, 0.3886

Sweetspot

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



20.9957, 0.2286, 0.3350



42.5804, 0.2747, 0.3306



19.2377, 0.3019, 0.5860



9.4146, 0.2711, 0.3308



71.0566, 0.3127, 0.3290



10.6539, 0.3127, 0.3290

Same Dimension

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



20.9957, 0.2286, 0.3350



37.3788, 0.2267, 0.3360



8.1669, 0.1898, 0.1917



6.1141, 0.2993, 0.3295



19.0338, 0.2266, 0.3358



0.1824, 0.2256, 0.3320

Inverse Universe

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



6.0795, 0.6082, 0.3276



10.1506, 0.6375, 0.3286



10.6405, 0.5207, 0.4090



5.4260, 0.3278, 0.3285



5.1704, 0.6364, 0.3280



0.0498, 0.6192, 0.3185

Previews

White Background



This preview shows how the Yxy color 20.9949, 0.2286, 0.3350 looks on a white 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

Black Background



This preview shows how the Yxy color 20.9949, 0.2286, 0.3350 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

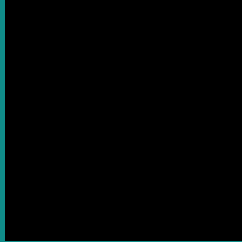
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.9949, 0.2286, 0.3350

Background



This preview shows how black text looks on a background with the Yxy color 20.9949, 0.2286, 0.3350.



This preview shows how white text looks on a background with the Yxy color 20.9949, 0.2286, 0.3350.

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

20.9949, 0.2286, 0.3350

Protanopia

20.7378, 0.3118, 0.3236

Deuteranopia

20.6179, 0.3001, 0.2940



Tritanopia

20.9743, 0.2242, 0.3066

Trichromacy



Original Color

20.9949, 0.2286, 0.3350

Protanomaly

19.9248, 0.2659, 0.3269

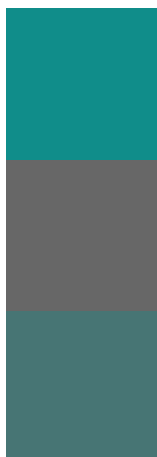
Deuteranomaly

19.7474, 0.2595, 0.3054

Tritanomaly

21.0511, 0.2254, 0.3165

Monochromacy



Original Color

20.9949, 0.2286, 0.3350

Achromatopsia

13.5633, 0.3127, 0.3290

Achromatomaly

15.3231, 0.2617, 0.3311

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.9949, 0.2286, 0.3350 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(16, 141, 138)` looks like.

```
.text, #text, p{  
    color:rgb(16, 141, 138)  
}
```

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(16, 141, 138) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(16, 141, 138) }
```

Border

The CSS property to change the border of an element to Yxy 20.9949, 0.2286, 0.3350 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(16, 141, 138) }
```

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

```
.border{ border-color:rgb(16, 141, 138) }
```

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

Here you see how a box with a 4 pixel `rgb(16, 141, 138)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(16, 141, 138); -webkit-box-  
shadow:4px 4px 4px 4px rgb(16, 141, 138);  
box-shadow:4px 4px 4px 4px rgb(16, 141,  
138) }
```


Background

The CSS property to change the background color of an element to Yxy 20.9949, 0.2286, 0.3350 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(16, 141, 138) }
```

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

```
.background{ background-color: rgb(16, 141,  
138) }
```

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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