

Converting Colors

$Y_{xy}(21.4287, 0.2149, 0.2790)$

Have a look what the booklet for
Yxy(21.4287, 0.2149, 0.2790)
contains.

Yxy(21.4287, 0.2149, 0.2790)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

$\text{Yxy}(21.4287, 0.2149, 0.2790)$

Conversions

Conversions Part 1

Format	Color
Hex	1C8BA5
RGB	28, 139, 165
RGB Percent	11%, 55%, 65%
CMY	0.8899, 0.4549, 0.3529
CMYK	0.83, 0.16, 0.00, 0.35
HSL	191°, 71%, 38%
HSV	191°, 83%, 65%
XYZ	16.5055, 21.4287, 38.8712
YIQ	108.7750, -74.5020, -15.4460

Conversions

Conversions Part 2

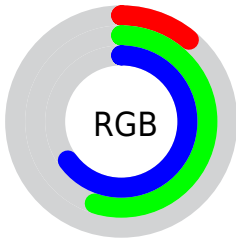
Format	Color
R_{YB}	28, 89, 165
Decimal	1870757
CIE _{Lab}	53.42, -20.25, -22.20
CIE _{LCh}	53, 30.047, 227.626
Yxy	21.4287, 0.2149, 0.2790
Android (android.graphics.Color)	4280060837 (0xFF1C8BA5)
YUV	108.7750, 27.7189, -70.8397
Hunter-Lab	46.2911, -17.3639, -17.3827

Details

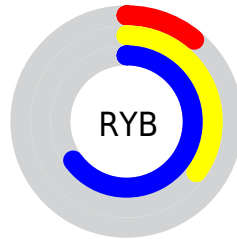
The Yxy color **21.4287, 0.2149, 0.2790** is a dark color, and the websafe version is hex **0099CC**. A complement of this color would be **10.7326, 0.5673, 0.3570**, and the grayscale version is **15.1684, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.9039, 0.2350, 0.2914**, and **8.3370, 0.2062, 0.2624** is the 20% darker color. If you saturate the color by 10%, you get **20.3616, 0.2102, 0.2722**, and if you desaturate by 10%, it is **22.6510, 0.2214, 0.2858**.

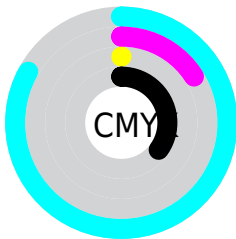
Distribution



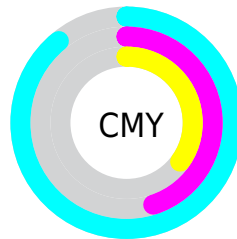
- Red (11%)
- Green (55%)
- Blue (65%)



- Red (11%)
- Yellow (35%)
- Blue (65%)



- Cyan (83%)
- Magenta (16%)
- Yellow (0%)
- Black (35%)





- Cyan (89%)
- Magenta (45%)
- Yellow (35%)


Brightness & Saturation Gradients

These gradients show how the Yxy color 21.4287, 0.2149, 0.2790 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 21.4287, 0.2149, 0.2790 by changing the saturation by 10% instead.


 21.4287, 0.2149,
0.2790


 21.4287, 0.2149,
0.2790


 259.5481, 0.2679,
0.3083


 13.4377, 0.2005,
0.2700


 45.7999, 0.2351,
0.2908


 7.7307, 0.1813,
0.2574


 62.9490, 0.2424,
0.2949


 3.9231, 0.1549,
0.2386

 83.9195, 0.2485,
0.2982

 1.6306, 0.1175,
0.2084

 109.0959, 0.2536,
0.3009

 0.3781, 0.0000,
0.1387

 138.8626, 0.2579,
0.3032

 0.0000, 0.0000,
0.0000

 173.6039, 0.2617,

0.3052

213.7043, 0.2650,
0.3069

■ 21.4287, 0.2149,
0.2790

■ 21.4287, 0.2149,
0.2790

■ 20.3616, 0.2102,
0.2722

■ 22.6510, 0.2214,
0.2858

■ 19.6741, 0.2077,
0.2675

■ 24.0446, 0.2298,
0.2926

■ 25.6258, 0.2400,
0.2992

■ 27.4083, 0.2517,
0.3056

■ 29.4042, 0.2646,
0.3117

■ 31.6247, 0.2786,
0.3174

■ 34.0800, 0.2932,
0.3228

■ 36.7798, 0.3082,
0.3276

■ 39.7331, 0.3233,
0.3321

Harmonies

Analogous

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



21.4287, 0.2297, 0.3269



21.4287, 0.2149, 0.2790



21.4287, 0.2230, 0.2505

Triad

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



21.4287, 0.2149, 0.2790



21.4287, 0.3562, 0.2831



21.4287, 0.3693, 0.4263

Complementary

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



21.4287, 0.2149, 0.2790



10.7326, 0.5673, 0.3570

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.



21.4287, 0.4083, 0.4030



21.4287, 0.2149, 0.2790



21.4287, 0.4021, 0.3216

Square

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



21.4287, 0.2149, 0.2790



21.4287, 0.3007, 0.2552



21.4287, 0.4214, 0.3643



21.4287, 0.3171, 0.4204

Rectangle

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



21.4287, 0.2149, 0.2790



21.4287, 0.2406, 0.2433



21.4287, 0.4214, 0.3643



21.4287, 0.3845, 0.4211

Sweetspot

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



21.4295, 0.2149, 0.2790



55.6036, 0.2751, 0.3161



27.4230, 0.2922, 0.5493



11.8647, 0.2704, 0.3142



82.7571, 0.3127, 0.3290



14.7319, 0.3127, 0.3290

Same Dimension

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



21.4295, 0.2149, 0.2790



34.9444, 0.2073, 0.2663



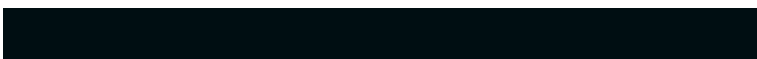
7.5279, 0.1781, 0.1403



7.7814, 0.2988, 0.3246



14.9490, 0.2078, 0.2682



0.3697, 0.2146, 0.2925

Inverse Universe

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



10.6992, 0.3633, 0.1887



17.3628, 0.3763, 0.1847



21.9192, 0.4650, 0.4500



7.1790, 0.3165, 0.3110



7.3532, 0.3745, 0.1837



0.1601, 0.3521, 0.1713

Previews

White Background



This preview shows how the Yxy color 21.4287, 0.2149, 0.2790 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 21.4287, 0.2149, 0.2790 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

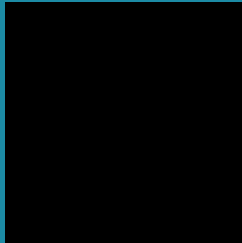
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.4287, 0.2149, 0.2790

Background



This preview shows how black text looks on a background with the Yxy color 21.4287, 0.2149, 0.2790.

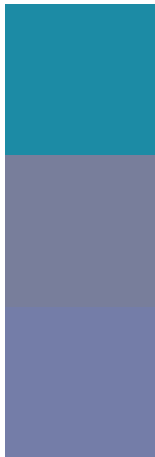


This preview shows how white text looks on a background with the Yxy color 21.4287, 0.2149, 0.2790.

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

21.4287, 0.2149, 0.2790

Protanopia

21.2813, 0.2764, 0.2785

Deuteranopia

21.2074, 0.2609, 0.2561



Tritanopia

21.3168, 0.2185, 0.3066

Trichromacy



Original Color

21.4287, 0.2149, 0.2790



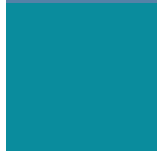
Protanomaly

20.7620, 0.2444, 0.2772



Deuteranomaly

20.6401, 0.2362, 0.2619



Tritanomaly

21.2550, 0.2164, 0.2951

Monochromacy



Original Color

21.4287, 0.2149, 0.2790



Achromatopsia

15.2926, 0.3127, 0.3290



Achromatomaly

16.7234, 0.2592, 0.3099

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.4287, 0.2149, 0.2790 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(28, 139, 165)` looks like.

```
.text, #text, p{  
    color:rgb(28, 139, 165)  
}
```

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(28, 139, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(28, 139, 165) }
```

Border

The CSS property to change the border of an element to Yxy 21.4287, 0.2149, 0.2790 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(28, 139, 165) }
```

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

```
.border{ border-color:rgb(28, 139, 165) }
```

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

Here you see how a box with a 4 pixel rgb(28, 139, 165) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(28, 139, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(28, 139, 165);  
box-shadow:4px 4px 4px 4px rgb(28, 139,  
165) }
```


Background

The CSS property to change the background color of an element to Yxy 21.4287, 0.2149, 0.2790 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(28, 139, 165) }
```

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

```
.background{ background-color: rgb(28, 139,  
165) }
```

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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