

Converting Colors

$Yxy(22.3484, 0.2363, 0.3521)$

Have a look what the booklet for
Yxy(22.3484, 0.2363, 0.3521)
contains.

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Color

$\text{Yxy}(22.2332, 0.2362, 0.3516)$

Conversions

Conversions Part 1

Format	Color
Hex	1D9186
RGB	29, 145, 134
RGB Percent	11%, 57%, 53%
CMY	0.8863, 0.4314, 0.4744
CMYK	0.80, 0.00, 0.08, 0.43
HSL	174°, 67%, 34%
HSV	174°, 80%, 57%
XYZ	14.9360, 22.2332, 26.0652
YIQ	109.0620, -65.6050, -28.0130

Conversions

Conversions Part 2

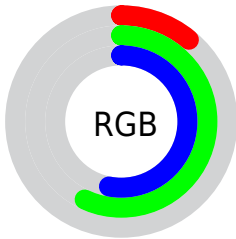
Format	Color
R_{YB}	29, 90, 145
Decimal	1937798
CIE _{Lab}	54.27, -33.09, -3.02
CIE _{LCh}	54, 33.225, 185.219
Yxy	22.2332, 0.2362, 0.3516
Android (android.graphics.Color)	4280127878 (0xFF1D9186)
YUV	109.0620, 12.2944, -70.2144
Hunter-Lab	47.1521, -25.9743, 0.2316

Details

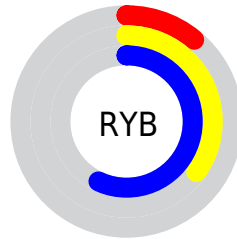
The Yxy color **22.2332, 0.2362, 0.3516** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **7.0515, 0.5615, 0.3168**, and the grayscale version is **15.2902, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.9215, 0.2527, 0.3465**, and **8.6613, 0.2325, 0.3568** is the 20% darker color. If you saturate the color by 10%, you get **22.0322, 0.2339, 0.3548**, and if you desaturate by 10%, it is **22.5358, 0.2403, 0.3484**.

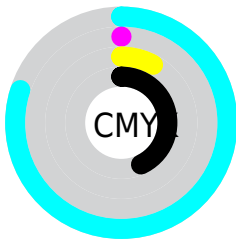
Distribution



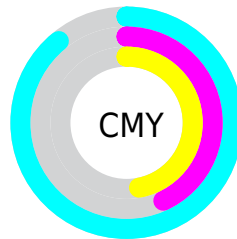
- Red (11%)
- Green (57%)
- Blue (53%)



- Red (11%)
- Yellow (35%)
- Blue (57%)



- Cyan (80%)
- Magenta (0%)
- Yellow (8%)
- Black (43%)





- Cyan (89%)
- Magenta (43%)
- Yellow (47%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 22.2332, 0.2362, 0.3516 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 22.2332, 0.2362, 0.3516 by changing the saturation by 10% instead.


 22.2332, 0.2362,
0.3516


 22.2332, 0.2362,
0.3516


 263.7617, 0.2785,
0.3395


 14.0284, 0.2241,
0.3548


 47.1311, 0.2527,
0.3470


 8.1404, 0.2076,
0.3591


 64.5930, 0.2585,
0.3454

 4.1849, 0.1839,
0.3648

 85.9093, 0.2633,
0.3440

 1.7775, 0.1457,
0.3732

 111.4645, 0.2673,
0.3428

 0.4731, 0.0000,
0.3944

 141.6429, 0.2708,
0.3418

 0.0000, 0.0000,
0.0000

 176.8290, 0.2737,

0.3410

217.4071, 0.2763,
0.3402

■ 22.2332, 0.2362,
0.3516

■ 22.2332, 0.2362,
0.3516

■ 22.0322, 0.2339,
0.3548

■ 22.5358, 0.2403,
0.3484

■ 21.8972, 0.2328,
0.3579

■ 22.9500, 0.2463,
0.3453

■ 23.4870, 0.2540,
0.3422

■ 24.1563, 0.2634,
0.3392

■ 24.9662, 0.2742,
0.3364

■ 25.9246, 0.2862,
0.3337

■ 27.0387, 0.2991,
0.3313

■ 28.3150, 0.3127,
0.3290

■ 29.7600, 0.3267,
0.3269

Harmonies

Analogous

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



22.2332, 0.2833, 0.4084



22.2332, 0.2362, 0.3516



22.2332, 0.2104, 0.2934

Triad

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



22.2332, 0.2362, 0.3516



22.2332, 0.2760, 0.2416



22.2332, 0.4267, 0.3923

Complementary

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



22.2332, 0.2362, 0.3516



7.0515, 0.5615, 0.3168

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.



22.2332, 0.4270, 0.3473



22.2332, 0.2362, 0.3516



22.2332, 0.3349, 0.2651

Square

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



22.2332, 0.2362, 0.3516



22.2332, 0.2317, 0.2366



22.2332, 0.3923, 0.3024



22.2332, 0.3941, 0.4273

Rectangle

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



22.2332, 0.2362, 0.3516



22.2332, 0.2068, 0.2642



22.2332, 0.3923, 0.3024



22.2332, 0.4308, 0.3778

Sweetspot

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



22.2340, 0.2362, 0.3516



45.6208, 0.2806, 0.3349



20.8030, 0.3070, 0.5679



10.0292, 0.2769, 0.3358



72.9347, 0.3127, 0.3290



11.2805, 0.3127, 0.3290

Same Dimension

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



22.2340, 0.2362, 0.3516



39.2763, 0.2331, 0.3572



11.1535, 0.2024, 0.2248



6.1076, 0.3002, 0.3311



18.7838, 0.2327, 0.3577



0.1812, 0.2284, 0.3422

Inverse Universe

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



7.0515, 0.5615, 0.3168



11.0132, 0.6208, 0.3230



11.1950, 0.5122, 0.3970



5.4319, 0.3267, 0.3269



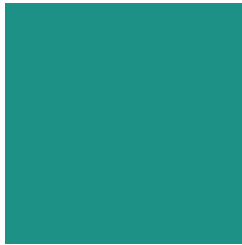
5.1919, 0.6256, 0.3220



0.0510, 0.5665, 0.2894

Previews

White Background



This preview shows how the Yxy color 22.2332, 0.2362, 0.3516 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 22.2332, 0.2362, 0.3516 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

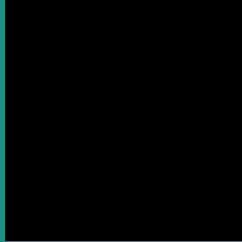
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 22.2332, 0.2362, 0.3516

Background



This preview shows how black text looks on a background with the Yxy color 22.2332, 0.2362, 0.3516.

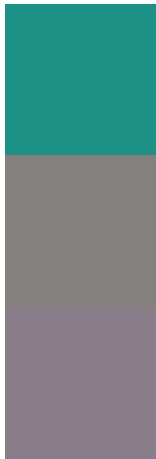


This preview shows how white text looks on a background with the Yxy color 22.2332, 0.2362, 0.3516.

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

22.2332, 0.2362, 0.3516

Protanopia

21.8245, 0.3208, 0.3344

Deuteranopia

21.8206, 0.3126, 0.3067



Tritanopia

22.2146, 0.2274, 0.3054

Trichromacy



Original Color

22.2332, 0.2362, 0.3516



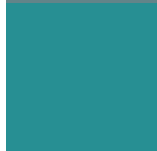
Protanomaly

21.0416, 0.2775, 0.3407



Deuteranomaly

20.9053, 0.2719, 0.3193



Tritanomaly

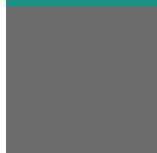
22.1828, 0.2303, 0.3208

Monochromacy



Original Color

22.2332, 0.2362, 0.3516



Achromatopsia

15.2926, 0.3127, 0.3290



Achromatomaly

16.9325, 0.2699, 0.3375

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.2332, 0.2362, 0.3516 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(29, 145, 134)` looks like.

```
.text, #text, p{  
  color:rgb(29, 145, 134)  
}
```

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(29, 145, 134) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(29, 145, 134) }
```

Border

The CSS property to change the border of an element to Yxy 22.2332, 0.2362, 0.3516 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(29, 145, 134) }
```

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

```
.border{ border-color:rgb(29, 145, 134) }
```

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

Here you see how a box with a 4 pixel `rgb(29, 145, 134)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(29, 145, 134); -webkit-box-  
shadow:4px 4px 4px 4px rgb(29, 145, 134);  
box-shadow:4px 4px 4px 4px rgb(29, 145,  
134) }
```


Background

The CSS property to change the background color of an element to Yxy 22.2332, 0.2362, 0.3516 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(29, 145, 134) }
```

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

```
.background{ background-color: rgb(29, 145,  
134) }
```

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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