

Converting Colors

$Yxy(22.0584, 0.2195, 0.3035)$

Have a look what the booklet for
Yxy(22.0584, 0.2195, 0.3035)
contains.

Yxy(22.1554, 0.2195, 0.3032)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

$\text{Yxy}(22.1554, 0.2195, 0.3032)$

Conversions

Conversions Part 1

Format	Color
Hex	108F9C
RGB	16, 143, 156
RGB Percent	6%, 56%, 61%
CMY	0.9362, 0.4392, 0.3883
CMYK	0.90, 0.08, 0.00, 0.39
HSL	186°, 81%, 34%
HSV	186°, 90%, 61%
XYZ	16.0393, 22.1554, 34.8772
YIQ	106.5090, -79.8650, -22.8810

Conversions

Conversions Part 2

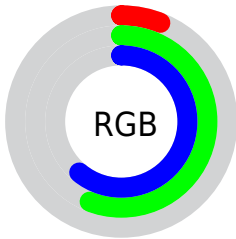
Format	Color
R_{YB}	16, 83, 156
Decimal	1085340
CIE _{Lab}	54.19, -26.25, -15.82
CIE _{LCh}	54, 30.648, 211.085
Yxy	22.1554, 0.2195, 0.3032
Android (android.graphics.Color)	4279275420 (0xFF108F9C)
YUV	106.5090, 24.3991, -79.3764
Hunter-Lab	47.0695, -21.5465, -10.9836

Details

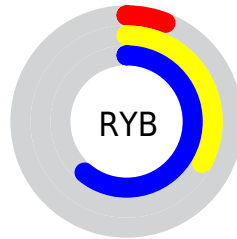
The Yxy color **22.1554, 0.2195, 0.3032** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **7.9969, 0.6053, 0.3397**, and the grayscale version is **14.5314, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.9128, 0.2389, 0.3104**, and **8.6742, 0.2143, 0.2915** is the 20% darker color. If you saturate the color by 10%, you get **21.6153, 0.2168, 0.3001**, and if you desaturate by 10%, it is **22.7870, 0.2236, 0.3063**.

Distribution



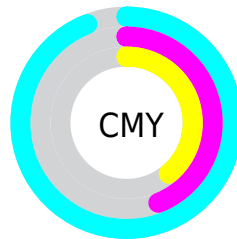
- Red (6%)
- Green (56%)
- Blue (61%)



- Red (6%)
- Yellow (33%)
- Blue (61%)



- Cyan (90%)
- Magenta (8%)
- Yellow (0%)
- Black (39%)




- Cyan (94%)
- Magenta (44%)
- Yellow (39%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.1554, 0.2195, 0.3032 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 22.1554, 0.2195, 0.3032 by changing the saturation by 10% instead.


 22.1554, 0.2195,
0.3032

 22.1554, 0.2195,
0.3032


 263.3567, 0.2701,
0.3192


 13.9711, 0.2056,
0.2979


 47.0027, 0.2388,
0.3099

 8.1006, 0.1871,
0.2901


 64.4345, 0.2458,
0.3121

 4.1594, 0.1613,
0.2779

 85.7177, 0.2516,
0.3139

 1.7631, 0.1241,
0.2566

 111.2365, 0.2565,
0.3154

 0.4640, 0.0000,
0.2080

 141.3754, 0.2606,
0.3166

 0.0000, 0.0000,
0.0000

 176.5188, 0.2642,

0.3176

217.0512, 0.2673,
0.3184

■ 22.1554, 0.2195,
0.3032

■ 22.1554, 0.2195,
0.3032

■ 21.6153, 0.2168,
0.3001

■ 22.7870, 0.2236,
0.3063

■ 21.5921, 0.2167,
0.3000

■ 23.5416, 0.2295,
0.3095

■ 24.4348, 0.2372,
0.3126

■ 25.4792, 0.2467,
0.3157

■ 26.6860, 0.2578,
0.3187

■ 28.0654, 0.2703,
0.3216

■ 29.6267, 0.2839,
0.3243

■ 31.3783, 0.2984,
0.3268

■ 33.3284, 0.3134,
0.3291

Harmonies

Analogous

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



22.1554, 0.2469, 0.3578



22.1554, 0.2195, 0.3032



22.1554, 0.2150, 0.2630

Triad

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



22.1554, 0.2195, 0.3032



22.1554, 0.3256, 0.2655



22.1554, 0.3940, 0.4169

Complementary

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



22.1554, 0.2195, 0.3032



7.9969, 0.6053, 0.3397

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.



22.1554, 0.4203, 0.3831



22.1554, 0.2195, 0.3032



22.1554, 0.3798, 0.2992

Square

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



22.1554, 0.2195, 0.3032



22.1554, 0.2722, 0.2457



22.1554, 0.4156, 0.3407



22.1554, 0.3469, 0.4288

Rectangle

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



22.1554, 0.2195, 0.3032



22.1554, 0.2247, 0.2479



22.1554, 0.4156, 0.3407



22.1554, 0.4057, 0.4073

Sweetspot

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



22.1562, 0.2195, 0.3032



51.5326, 0.2730, 0.3221



23.9686, 0.2978, 0.5796



11.1548, 0.2689, 0.3213



78.7412, 0.3127, 0.3290



13.2868, 0.3127, 0.3290

Same Dimension

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



22.1562, 0.2195, 0.3032



39.0705, 0.2165, 0.2994



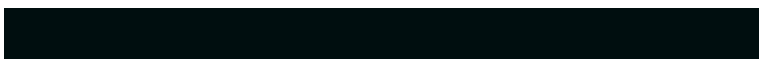
7.4759, 0.1790, 0.1538



7.4040, 0.2988, 0.3269



17.8154, 0.2167, 0.3002



0.3461, 0.2202, 0.3127

Inverse Universe

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



9.4286, 0.3422, 0.1711



16.3415, 0.3460, 0.1679



15.7983, 0.4967, 0.4323



6.7439, 0.3151, 0.3090



7.4207, 0.3452, 0.1676



0.1355, 0.3344, 0.1616

Previews

White Background



This preview shows how the Yxy color 22.1554, 0.2195, 0.3032 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 22.1554, 0.2195, 0.3032 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

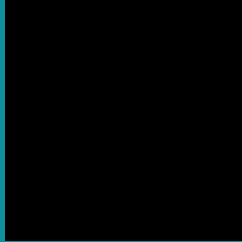
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 22.1554, 0.2195, 0.3032

Background



This preview shows how black text looks on a background with the Yxy color 22.1554, 0.2195, 0.3032.

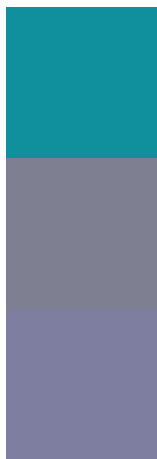


This preview shows how white text looks on a background with the Yxy color 22.1554, 0.2195, 0.3032.

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

22.1554, 0.2195, 0.3032

Protanopia

21.9493, 0.2917, 0.2976

Deuteranopia

21.8954, 0.2780, 0.2716



Tritanopia

22.0970, 0.2196, 0.3050

Trichromacy



Original Color

22.1554, 0.2195, 0.3032

Protanomaly

20.9555, 0.2510, 0.2966

Deuteranomaly

20.9842, 0.2439, 0.2790

Tritanomaly

22.1048, 0.2197, 0.3051

Monochromacy



Original Color

22.1554, 0.2195, 0.3032

Achromatopsia

14.7027, 0.3127, 0.3290

Achromatomaly

16.3695, 0.2573, 0.3180

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.1554, 0.2195, 0.3032 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, 143, 156)` looks like.

```
.text, #text, p{  
    color:rgb(16, 143, 156)  
}
```

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, 143, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(16, 143, 156) }
```

Border

The CSS property to change the border of an element to Yxy 22.1554, 0.2195, 0.3032 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, 143, 156) }
```

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

```
.border{ border-color:rgb(16, 143, 156) }
```

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

Here you see how a box with a 4 pixel `rgb(16, 143, 156)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(16, 143, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(16, 143, 156);  
box-shadow:4px 4px 4px 4px rgb(16, 143,  
156) }
```


Background

The CSS property to change the background color of an element to Yxy 22.1554, 0.2195, 0.3032 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(16, 143, 156) }
```

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

```
.background{ background-color: rgb(16, 143,  
156) }
```

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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