

Converting Colors

$Y_{xy}(20.9695, 0.2363, 0.3287)$

Have a look what the booklet for
Yxy(20.9695, 0.2363, 0.3287)
contains.

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Color

Yxy(20.9102, 0.2362, 0.3288)

Conversions

Conversions Part 1

Format	Color
Hex	2E8B8B
RGB	46, 139, 139
RGB Percent	18%, 55%, 55%
CMY	0.8193, 0.4549, 0.4550
CMYK	0.67, 0.00, 0.00, 0.45
HSL	180°, 50%, 36%
HSV	180°, 67%, 55%
XYZ	15.0213, 20.9102, 27.6640
YIQ	111.1930, -55.4280, -19.7160

Conversions

Conversions Part 2

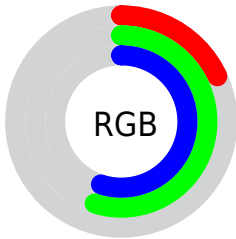
Format	Color
R_{YB}	46, 93, 139
Decimal	3050379
CIE _{Lab}	52.85, -26.44, -7.96
CIE _{LCh}	53, 27.616, 196.760
Yxy	20.9102, 0.2362, 0.3288
Android (android.graphics.Color)	4281240459 (0xFF2E8B8B)
YUV	111.1930, 13.7089, -57.1743
Hunter-Lab	45.7277, -21.3873, -3.8595

Details

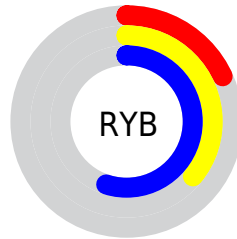
The Yxy color **20.9102, 0.2362, 0.3288** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **7.6475, 0.5225, 0.3296**, and the grayscale version is **15.9335, 0.3127, 0.3290**.

A 20% lighter version of the original color is **44.9490, 0.2528, 0.3303**, and **7.7007, 0.2238, 0.3256** is the 20% darker color. If you saturate the color by 10%, you get **20.6382, 0.2309, 0.3288**, and if you desaturate by 10%, it is **21.2884, 0.2433, 0.3288**.

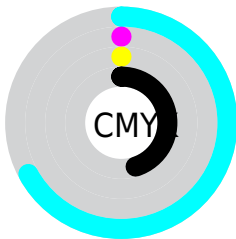
Distribution



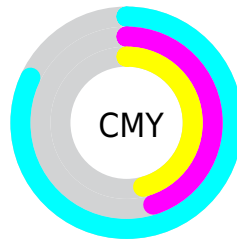
- Red (18%)
- Green (55%)
- Blue (55%)



- Red (18%)
- Yellow (36%)
- Blue (55%)



- Cyan (67%)
- Magenta (0%)
- Yellow (0%)
- Black (45%)





- Cyan (82%)
- Magenta (45%)
- Yellow (46%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 20.9102, 0.2362, 0.3288 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 20.9102, 0.2362, 0.3288 by changing the saturation by 10% instead.


 20.9102, 0.2362,
0.3288


 20.9102, 0.2362,
0.3288


 256.8009, 0.2786,
0.3299


 13.0584, 0.2241,
0.3280

 44.9380, 0.2527,
0.3295

 7.4688, 0.2074,
0.3264


 61.8828, 0.2586,
0.3297


 3.7569, 0.1835,
0.3233

 82.6274, 0.2634,
0.3298

 1.5386, 0.1454,
0.3165

 107.5562, 0.2674,
0.3299

 0.3156, 0.0000,
0.2596

 137.0535, 0.2709,
0.3299

 0.0000, 0.0000,
0.0000

 171.5038, 0.2738,

0.3299

211.2915, 0.2764,
0.3299

■ 20.9102, 0.2362,
0.3288

■ 20.9102, 0.2362,
0.3288

■ 20.6382, 0.2309,
0.3288

■ 21.2884, 0.2433,
0.3288

■ 20.4594, 0.2273,
0.3288

■ 21.7796, 0.2522,
0.3288

■ 20.3563, 0.2252,
0.3288

■ 22.3926, 0.2628,
0.3289

■ 20.3280, 0.2247,
0.3288

■ 23.1348, 0.2749,
0.3289

■ 24.0130, 0.2882,
0.3289

■ 25.0336, 0.3025,
0.3290

■ 26.2025, 0.3175,
0.3290

■ 27.5253, 0.3330,
0.3291

■ 29.0072, 0.3486,
0.3291

Harmonies

Analogous

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



20.9102, 0.2709, 0.3790



20.9102, 0.2362, 0.3288



20.9102, 0.2215, 0.2840

Triad

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



20.9102, 0.2362, 0.3288



20.9102, 0.3003, 0.2595



20.9102, 0.4024, 0.3974

Complementary

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



20.9102, 0.2362, 0.3288



7.6475, 0.5225, 0.3296

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.



20.9102, 0.4133, 0.3613



20.9102, 0.2362, 0.3288



20.9102, 0.3517, 0.2853

Square

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



20.9102, 0.2362, 0.3288



20.9102, 0.2560, 0.2488



20.9102, 0.3946, 0.3213



20.9102, 0.3669, 0.4189

Rectangle

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



20.9102, 0.2362, 0.3288



20.9102, 0.2238, 0.2634



20.9102, 0.3946, 0.3213



20.9102, 0.4092, 0.3864

Sweetspot

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



20.9110, 0.2362, 0.3288



42.4113, 0.2833, 0.3289



19.2820, 0.3040, 0.5364



9.6823, 0.2800, 0.3289



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.



20.9110, 0.2362, 0.3288



36.7843, 0.2289, 0.3288



10.4683, 0.2122, 0.2266



5.6886, 0.2991, 0.3290



18.3476, 0.2247, 0.3288



0.1219, 0.2247, 0.3288

Inverse Universe

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



7.6475, 0.5225, 0.3296



11.2331, 0.5880, 0.3298



13.1677, 0.4593, 0.4064



5.0486, 0.3280, 0.3290



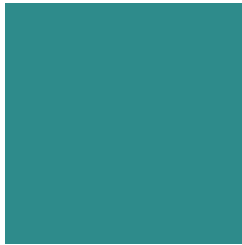
4.9541, 0.6401, 0.3300



0.0329, 0.6399, 0.3299

Previews

White Background



This preview shows how the Yxy color 20.9102, 0.2362, 0.3288 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 20.9102, 0.2362, 0.3288 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

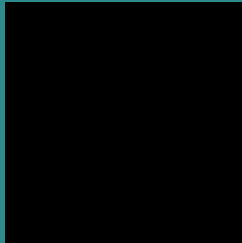
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.9102, 0.2362, 0.3288

Background



This preview shows how black text looks on a background with the Yxy color 20.9102, 0.2362, 0.3288.

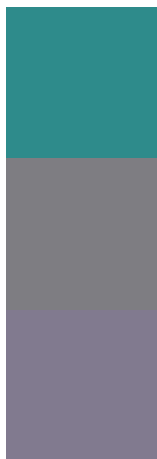


This preview shows how white text looks on a background with the Yxy color 20.9102, 0.2362, 0.3288.

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

20.9102, 0.2362, 0.3288

Protanopia

20.7146, 0.3084, 0.3199

Deuteranopia

20.5694, 0.2979, 0.2922



Tritanopia

21.0507, 0.2315, 0.3069

Trichromacy



Original Color

20.9102, 0.2362, 0.3288

Protanomaly

20.2001, 0.2742, 0.3230

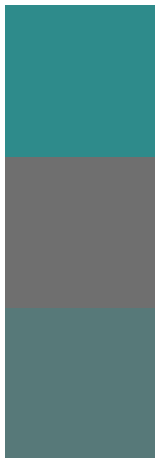
Deuteranomaly

20.0440, 0.2676, 0.3023

Tritanomaly

20.8743, 0.2331, 0.3146

Monochromacy



Original Color

20.9102, 0.2362, 0.3288

Achromatopsia

15.8961, 0.3127, 0.3290

Achromatomaly

17.0815, 0.2738, 0.3289

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.9102, 0.2362, 0.3288 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(46, 139, 139)` looks like.

```
.text, #text, p{  
    color:rgb(46, 139, 139)  
}
```

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(46, 139, 139) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(46, 139, 139) }
```

Border

The CSS property to change the border of an element to Yxy 20.9102, 0.2362, 0.3288 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(46, 139, 139) }
```

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

```
.border{ border-color:rgb(46, 139, 139) }
```

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

Here you see how a box with a 4 pixel `rgb(46, 139, 139)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(46, 139, 139); -webkit-box-  
shadow:4px 4px 4px 4px rgb(46, 139, 139);  
box-shadow:4px 4px 4px 4px rgb(46, 139,  
139) }
```


Background

The CSS property to change the background color of an element to Yxy 20.9102, 0.2362, 0.3288 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(46, 139, 139) }
```

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

```
.background{ background-color: rgb(46, 139,  
139) }
```

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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