

Converting Colors

$Y_{xy}(20.0045, 0.2310, 0.3288)$

Have a look what the booklet for
Yxy(20.0045, 0.2310, 0.3288)
contains.

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Color

$Y_{xy}(20.0045, 0.2310, 0.3288)$

Conversions

Conversions Part 1

Format	Color
Hex	208989
RGB	32, 137, 137
RGB Percent	13%, 54%, 54%
CMY	0.8748, 0.4627, 0.4628
CMYK	0.77, 0.00, 0.00, 0.46
HSL	180°, 62%, 33%
HSV	180°, 77%, 54%
XYZ	14.0543, 20.0045, 26.7822
YIQ	105.6050, -62.5800, -22.2600

Conversions

Conversions Part 2

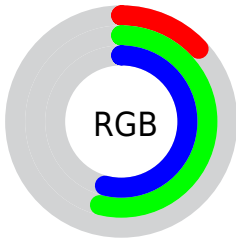
Format	Color
RYB	32, 85, 137
Decimal	2132361
CIELab	51.84, -28.02, -8.34
CIElCh	52, 29.240, 196.577
Yxy	20.0045, 0.2310, 0.3288
Android (android.graphics.Color)	4280322441 (0xFF208989)
YUV	105.6050, 15.4777, -64.5516
Hunter-Lab	44.7264, -22.1816, -4.1944

Details

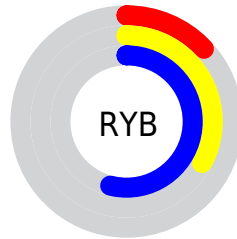
The Yxy color **20.0045, 0.2310, 0.3288** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **6.4527, 0.5668, 0.3297**, and the grayscale version is **14.2647, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.4661, 0.2489, 0.3303**, and **7.3437, 0.2238, 0.3255** is the 20% darker color. If you saturate the color by 10%, you get **19.8300, 0.2274, 0.3288**, and if you desaturate by 10%, it is **20.2717, 0.2364, 0.3288**.

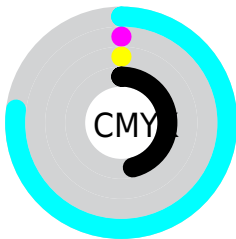
Distribution



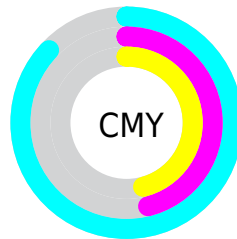
- Red (13%)
- Green (54%)
- Blue (54%)



- Red (13%)
- Yellow (33%)
- Blue (54%)



- Cyan (77%)
- Magenta (0%)
- Yellow (0%)
- Black (46%)




- Cyan (87%)
- Magenta (46%)
- Yellow (46%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 20.0045, 0.2310, 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 20.0045, 0.2310, 0.3288 by changing the saturation by 10% instead.


 20.0045, 0.2310,
0.3288


 20.0045, 0.2310,
0.3288


 251.9395, 0.2765,
0.3300


 12.3983, 0.2179,
0.3278


 43.4247, 0.2488,
0.3297


 7.0156, 0.2000,
0.3261


 60.0076, 0.2551,
0.3298

 3.4718, 0.1740,
0.3224

 80.3514, 0.2602,
0.3299

 1.3827, 0.1283,
0.3157

 104.8406, 0.2646,
0.3300

 0.2040, 0.0000,
0.2021

 133.8597, 0.2682,
0.3300

 0.0000, 0.0000,
0.0000

 167.7929, 0.2714,

0.3301

207.0247, 0.2741,
0.3301

■ 20.0045, 0.2310,
0.3288

■ 20.0045, 0.2310,
0.3288

■ 19.8300, 0.2274,
0.3288

■ 20.2717, 0.2364,
0.3288

■ 19.7283, 0.2253,
0.3288

■ 20.6395, 0.2435,
0.3288

■ 19.6990, 0.2247,
0.3288

■ 21.1174, 0.2525,
0.3288

■ 21.7133, 0.2631,
0.3289

■ 22.4341, 0.2751,
0.3289

■ 23.2866, 0.2884,
0.3289

■ 24.2767, 0.3027,
0.3290

■ 25.4103, 0.3177,
0.3290

■ 26.6926, 0.3332,
0.3291

Harmonies

Analogous

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



20.0045, 0.2680, 0.3832



20.0045, 0.2310, 0.3288



20.0045, 0.2154, 0.2806

Triad

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



20.0045, 0.2310, 0.3288



20.0045, 0.2988, 0.2548



20.0045, 0.4089, 0.4016

Complementary

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



20.0045, 0.2310, 0.3288



6.4527, 0.5668, 0.3297

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.



20.0045, 0.4208, 0.3627



20.0045, 0.2310, 0.3288



20.0045, 0.3542, 0.2821

Square

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



20.0045, 0.2310, 0.3288



20.0045, 0.2517, 0.2434



20.0045, 0.4005, 0.3202



20.0045, 0.3708, 0.4255

Rectangle

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



20.0045, 0.2310, 0.3288



20.0045, 0.2178, 0.2588



20.0045, 0.4005, 0.3202



20.0045, 0.4163, 0.3896

Sweetspot

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



20.0053, 0.2310, 0.3288



40.6303, 0.2792, 0.3289



18.3322, 0.3026, 0.5629



9.0106, 0.2752, 0.3289



69.2071, 0.3127, 0.3290



10.0482, 0.3127, 0.3290

Same Dimension

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



20.0053, 0.2310, 0.3288



35.3689, 0.2258, 0.3288



8.8038, 0.2004, 0.2087



5.6886, 0.2991, 0.3290



18.3474, 0.2247, 0.3288



0.1219, 0.2247, 0.3288

Inverse Universe

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



6.4527, 0.5668, 0.3297



9.8785, 0.6251, 0.3299



11.5669, 0.4859, 0.4118



5.0486, 0.3280, 0.3290



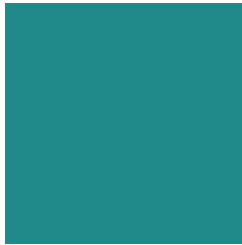
4.9541, 0.6400, 0.3300



0.0329, 0.6399, 0.3299

Previews

White Background



This preview shows how the Yxy color 20.0045, 0.2310, 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 20.0045, 0.2310, 0.3288 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

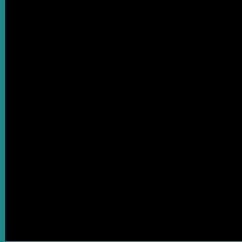
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.0045, 0.2310, 0.3288

Background



This preview shows how black text looks on a background with the Yxy color 20.0045, 0.2310, 0.3288.



This preview shows how white text looks on a background with the Yxy color 20.0045, 0.2310, 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

20.0045, 0.2310, 0.3288

Protanopia

19.7627, 0.3084, 0.3179

Deuteranopia

19.7916, 0.2965, 0.2916



Tritanopia

20.1462, 0.2267, 0.3064

Trichromacy



Original Color

20.0045, 0.2310, 0.3288

Protanomaly

19.0416, 0.2696, 0.3209

Deuteranomaly

19.0905, 0.2623, 0.3015

Tritanomaly

19.9666, 0.2281, 0.3143

Monochromacy



Original Color

20.0045, 0.2310, 0.3288

Achromatopsia

14.4128, 0.3127, 0.3290

Achromatomaly

15.6692, 0.2686, 0.3289

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.0045, 0.2310, 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(32, 137, 137)` looks like.

```
.text, #text, p{  
    color:rgb(32, 137, 137)  
}
```

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(32, 137, 137) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(32, 137, 137) }
```

Border

The CSS property to change the border of an element to Yxy 20.0045, 0.2310, 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(32, 137, 137) }
```

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

```
.border{ border-color:rgb(32, 137, 137) }
```

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

Here you see how a box with a 4 pixel `rgb(32, 137, 137)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(32, 137, 137); -webkit-box-  
shadow:4px 4px 4px 4px rgb(32, 137, 137);  
box-shadow:4px 4px 4px 4px rgb(32, 137,  
137) }
```


Background

The CSS property to change the background color of an element to Yxy 20.0045, 0.2310, 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(32, 137, 137) }
```

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

```
.background{ background-color: rgb(32, 137,  
137) }
```

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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