

Converting Colors

$Y_{xy}(20.5695, 0.2220, 0.3006)$

Have a look what the booklet for
Yxy(20.5695, 0.2220, 0.3006)
contains.

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Color

Yxy(20.7200, 0.2219, 0.3007)

Conversions

Conversions Part 1

Format	Color
Hex	1E8A98
RGB	30, 138, 152
RGB Percent	12%, 54%, 60%
CMY	0.8824, 0.4588, 0.4040
CMYK	0.80, 0.09, 0.00, 0.40
HSL	187°, 67%, 36%
HSV	187°, 80%, 60%
XYZ	15.2902, 20.7200, 32.8957
YIQ	107.3040, -68.8620, -18.5420

Conversions

Conversions Part 2

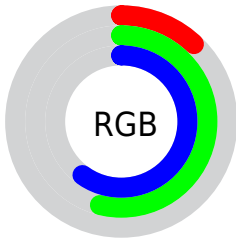
Format	Color
R_{YB}	30, 87, 152
Decimal	2001560
CIE _{Lab}	52.64, -23.94, -15.85
CIE _{LCh}	53, 28.710, 213.517
Yxy	20.7200, 0.2219, 0.3007
Android (android.graphics.Color)	4280191640 (0xFF1E8A98)
YUV	107.3040, 22.0351, -67.7956
Hunter-Lab	45.5192, -19.6993, -10.9840

Details

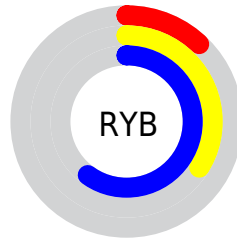
The Yxy color **20.7200, 0.2219, 0.3007** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **8.5673, 0.5681, 0.3456**, and the grayscale version is **14.7424, 0.3127, 0.3290**.

A 20% lighter version of the original color is **44.6969, 0.2412, 0.3087**, and **7.9190, 0.2139, 0.2902** is the 20% darker color. If you saturate the color by 10%, you get **20.0487, 0.2176, 0.2968**, and if you desaturate by 10%, it is **21.5111, 0.2280, 0.3046**.

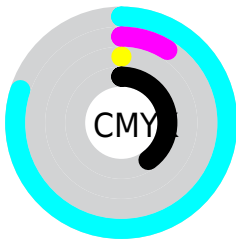
Distribution



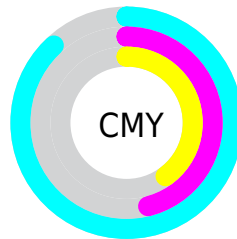
- Red (12%)
- Green (54%)
- Blue (60%)



- Red (12%)
- Yellow (34%)
- Blue (60%)



- Cyan (80%)
- Magenta (9%)
- Yellow (0%)
- Black (40%)




- Cyan (88%)
- Magenta (46%)
- Yellow (40%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 20.7200, 0.2219, 0.3007 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 20.7200, 0.2219, 0.3007 by changing the saturation by 10% instead.


 20.7200, 0.2219,
0.3007


 20.7200, 0.2219,
0.3007


 255.7867, 0.2717,
0.3181


 12.9195, 0.2080,
0.2949


 44.6211, 0.2411,
0.3080


 7.3731, 0.1892,
0.2864


 61.4904, 0.2480,
0.3104

 3.6965, 0.1629,
0.2730

 82.1515, 0.2537,
0.3124

 1.5053, 0.1237,
0.2496

 106.9887, 0.2584,
0.3139

 0.2925, 0.0000,
0.1627

 136.3864, 0.2625,
0.3153

 0.0000, 0.0000,
0.0000

 170.7291, 0.2660,

0.3164

210.4010, 0.2690,
0.3173

■ 20.7200, 0.2219,
0.3007

■ 20.7200, 0.2219,
0.3007

■ 20.0487, 0.2176,
0.2968

■ 21.5111, 0.2280,
0.3046

■ 19.4743, 0.2147,
0.2930

■ 22.4337, 0.2359,
0.3085

■ 23.5007, 0.2455,
0.3124

■ 24.7226, 0.2567,
0.3161

■ 26.1091, 0.2693,
0.3196

■ 27.6687, 0.2829,
0.3230

■ 29.4097, 0.2974,
0.3261

■ 31.3397, 0.3123,
0.3289

■ 33.4657, 0.3275,
0.3315

Harmonies

Analogous

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



20.7200, 0.2467, 0.3523



20.7200, 0.2219, 0.3007



20.7200, 0.2193, 0.2635

Triad

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



20.7200, 0.2219, 0.3007



20.7200, 0.3296, 0.2701



20.7200, 0.3878, 0.4154

Complementary

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



20.7200, 0.2219, 0.3007



8.5673, 0.5681, 0.3456

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.



20.7200, 0.4148, 0.3844



20.7200, 0.2219, 0.3007



20.7200, 0.3806, 0.3035

Square

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



20.7200, 0.2219, 0.3007



20.7200, 0.2776, 0.2498



20.7200, 0.4128, 0.3439



20.7200, 0.3416, 0.4240

Rectangle

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



20.7200, 0.2219, 0.3007



20.7200, 0.2298, 0.2500



20.7200, 0.4128, 0.3439



20.7200, 0.3995, 0.4068

Sweetspot

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



20.7208, 0.2219, 0.3007



47.6510, 0.2771, 0.3216



22.8983, 0.2967, 0.5576



10.6263, 0.2726, 0.3205



76.7769, 0.3127, 0.3290



12.5967, 0.3127, 0.3290

Same Dimension

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



20.7208, 0.2219, 0.3007



34.6110, 0.2155, 0.2939



8.1035, 0.1876, 0.1692



6.9056, 0.2989, 0.3264



16.3591, 0.2148, 0.2933



0.2744, 0.2196, 0.3106

Inverse Universe

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



9.4373, 0.3438, 0.1803



15.0382, 0.3507, 0.1721



16.5062, 0.4748, 0.4342



6.3114, 0.3154, 0.3095



7.0568, 0.3514, 0.1709



0.1085, 0.3362, 0.1626

Previews

White Background



This preview shows how the Yxy color 20.7200, 0.2219, 0.3007 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 20.7200, 0.2219, 0.3007 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

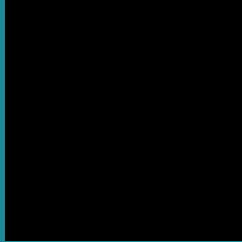
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.7200, 0.2219, 0.3007

Background



This preview shows how black text looks on a background with the Yxy color 20.7200, 0.2219, 0.3007.

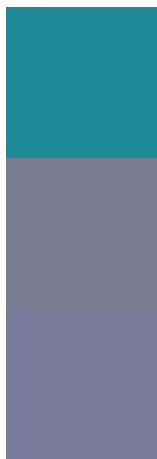


This preview shows how white text looks on a background with the Yxy color 20.7200, 0.2219, 0.3007.

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

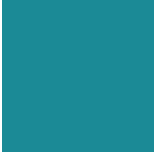
20.7200, 0.2219, 0.3007

Protanopia

20.5360, 0.2901, 0.2950

Deuteranopia

20.3506, 0.2770, 0.2715



Tritanopia

20.6120, 0.2222, 0.3045

Trichromacy



Original Color

20.7200, 0.2219, 0.3007

Protanomaly

19.8997, 0.2554, 0.2962

Deuteranomaly

19.8461, 0.2479, 0.2799

Tritanomaly

20.6582, 0.2219, 0.3026

Monochromacy



Original Color

20.7200, 0.2219, 0.3007

Achromatopsia

14.7027, 0.3127, 0.3290

Achromatomaly

16.0492, 0.2631, 0.3180

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.7200, 0.2219, 0.3007 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(30, 138, 152)` looks like.

```
.text, #text, p{  
    color:rgb(30, 138, 152)  
}
```

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(30, 138, 152) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(30, 138, 152) }
```

Border

The CSS property to change the border of an element to Yxy 20.7200, 0.2219, 0.3007 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(30, 138, 152) }
```

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

```
.border{ border-color:rgb(30, 138, 152) }
```

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

Here you see how a box with a 4 pixel `rgb(30, 138, 152)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(30, 138, 152); -webkit-box-  
shadow:4px 4px 4px 4px rgb(30, 138, 152);  
box-shadow:4px 4px 4px 4px rgb(30, 138,  
152) }
```


Background

The CSS property to change the background color of an element to Yxy 20.7200, 0.2219, 0.3007 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(30, 138, 152) }
```

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

```
.background{ background-color: rgb(30, 138,  
152) }
```

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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