

Converting Colors

$Y_{xy}(30.8405, 0.2215, 0.3020)$

Have a look what the booklet for
Yxy(30.8405, 0.2215, 0.3020)
contains.

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Color

Yxy(30.9487, 0.2217, 0.3032)

Conversions

Conversions Part 1

Format	Color
Hex	22A6B5
RGB	34, 166, 181
RGB Percent	13%, 65%, 71%
CMY	0.8676, 0.3490, 0.2902
CMYK	0.81, 0.08, 0.00, 0.29
HSL	186°, 69%, 42%
HSV	186°, 81%, 71%
XYZ	22.6297, 30.9487, 48.4951
YIQ	128.2420, -83.4870, -23.3190

Conversions

Conversions Part 2

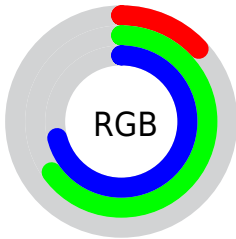
Format	Color
RYB	34, 104, 181
Decimal	2270901
CIELab	62.46, -28.31, -17.45
CIELCh	62, 33.259, 211.652
Yxy	30.9487, 0.2217, 0.3032
Android (android.graphics.Color)	4280460981 (0xFF22A6B5)
YUV	128.2420, 26.0097, -82.6502
Hunter-Lab	55.6316, -24.7453, -12.7422

Details

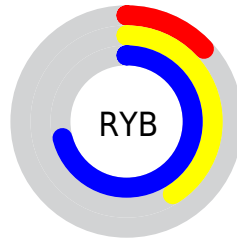
The Yxy color **30.9487, 0.2217, 0.3032** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **12.1119, 0.5788, 0.3432**, and the grayscale version is **21.5802, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.9531, 0.2389, 0.3085**, and **13.5931, 0.2154, 0.2953** is the 20% darker color. If you saturate the color by 10%, you get **30.0562, 0.2179, 0.2997**, and if you desaturate by 10%, it is **32.0146, 0.2273, 0.3067**.

Distribution



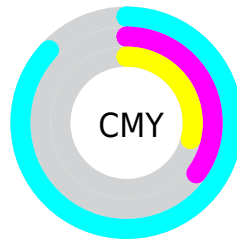
- Red (13%)
- Green (65%)
- Blue (71%)



- Red (13%)
- Yellow (41%)
- Blue (71%)



- Cyan (81%)
- Magenta (8%)
- Yellow (0%)
- Black (29%)



- Cyan (87%)
- Magenta (35%)
- Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.9487, 0.2217, 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 30.9487, 0.2217, 0.3032 by changing the saturation by 10% instead.

 30.9487, 0.2217,
0.3032


 30.9487, 0.2217,
0.3032


306.3019, 0.2686,
0.3184

 20.5598, 0.2097,
0.2986


 61.1593, 0.2390,
0.3093


 12.8026, 0.1942,
0.2922

 81.7498, 0.2454,
0.3114

 7.2928, 0.1736,
0.2827


 106.5096, 0.2508,
0.3131

 3.6459, 0.1450,
0.2676

 135.8230, 0.2554,
0.3146

 1.4775, 0.1016,
0.2420

 170.0746, 0.2594,
0.3158

 0.2728, 0.0000,
0.1434

209.6487, 0.2629,

 0.0000, 0.0000,

0.3168

0.0000

254.9297, 0.2659,
0.3176

■ 30.9487, 0.2217,
0.3032

■ 30.9487, 0.2217,
0.3032

■ 30.0562, 0.2179,
0.2997

■ 32.0146, 0.2273,
0.3067

■ 29.3818, 0.2158,
0.2968

■ 33.2728, 0.2348,
0.3102

■ 34.7435, 0.2441,
0.3136

■ 36.4432, 0.2550,
0.3170

■ 38.3868, 0.2674,
0.3202

■ 40.5878, 0.2810,
0.3232

■ 43.0589, 0.2955,
0.3261

■ 45.8117, 0.3106,
0.3287

■ 48.8572, 0.3261,
0.3310

Harmonies

Analogous

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



30.9487, 0.2481, 0.3560



30.9487, 0.2217, 0.3032



30.9487, 0.2177, 0.2643

Triad

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



30.9487, 0.2217, 0.3032



30.9487, 0.3264, 0.2677



30.9487, 0.3911, 0.4150

Complementary

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



30.9487, 0.2217, 0.3032



12.1119, 0.5788, 0.3432

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.



30.9487, 0.4170, 0.3826



30.9487, 0.2217, 0.3032



30.9487, 0.3787, 0.3007

Square

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



30.9487, 0.2217, 0.3032



30.9487, 0.2742, 0.2481



30.9487, 0.4130, 0.3414



30.9487, 0.3451, 0.4257

Rectangle

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



30.9487, 0.2217, 0.3032



30.9487, 0.2274, 0.2498



30.9487, 0.4130, 0.3414



30.9487, 0.4026, 0.4059

Sweetspot

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



30.9498, 0.2217, 0.3032



71.4423, 0.2768, 0.3223



33.6000, 0.2967, 0.5626



15.1416, 0.2720, 0.3213



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290

Same Dimension

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



30.9498, 0.2217, 0.3032



52.6965, 0.2160, 0.2969



11.4393, 0.1851, 0.1645



9.4808, 0.2986, 0.3266



20.3143, 0.2159, 0.2972



0.6814, 0.2186, 0.3068

Inverse Universe

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



13.7071, 0.3418, 0.1768



22.4095, 0.3481, 0.1697



23.8809, 0.4792, 0.4349



8.6315, 0.3153, 0.3088



8.5909, 0.3479, 0.1690



0.2746, 0.3395, 0.1644

Previews

White Background



This preview shows how the Yxy color 30.9487, 0.2217, 0.3032 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 30.9487, 0.2217, 0.3032 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

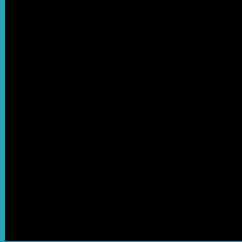
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 30.9487, 0.2217, 0.3032

Background



This preview shows how black text looks on a background with the Yxy color 30.9487, 0.2217, 0.3032.

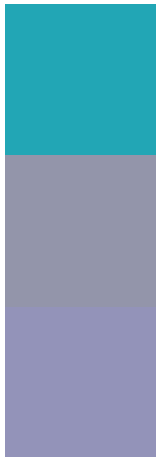


This preview shows how white text looks on a background with the Yxy color 30.9487, 0.2217, 0.3032.

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

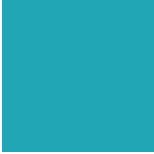
30.9487, 0.2217, 0.3032

Protanopia

30.6002, 0.2916, 0.2971

Deuteranopia

30.5733, 0.2789, 0.2731



Tritanopia

30.8748, 0.2218, 0.3048

Trichromacy



Original Color

30.9487, 0.2217, 0.3032



Protanomaly

29.5629, 0.2549, 0.2978



Deuteranomaly

29.6361, 0.2479, 0.2810



Tritanomaly

30.8911, 0.2220, 0.3048

Monochromacy



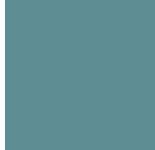
Original Color

30.9487, 0.2217, 0.3032



Achromatopsia

21.5861, 0.3127, 0.3290



Achromatomaly

23.8323, 0.2623, 0.3196

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.9487, 0.2217, 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(34, 166, 181)` looks like.

```
.text, #text, p{  
  color:rgb(34, 166, 181)  
}
```

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(34, 166, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(34, 166, 181) }
```

Border

The CSS property to change the border of an element to Yxy 30.9487, 0.2217, 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(34, 166, 181) }
```

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

```
.border{ border-color:rgb(34, 166, 181) }
```

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

Here you see how a box with a 4 pixel `rgb(34, 166, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(34, 166, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(34, 166, 181);  
box-shadow:4px 4px 4px 4px rgb(34, 166,  
181) }
```


Background

The CSS property to change the background color of an element to Yxy 30.9487, 0.2217, 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(34, 166, 181) }
```

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

```
.background{ background-color: rgb(34, 166,  
181) }
```

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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