

Converting Colors

$Y_{xy}(24.9238, 0.2254, 0.3214)$

Have a look what the booklet for
Yxy(24.9238, 0.2254, 0.3214)
contains.

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Color

$\text{Yxy}(25.0273, 0.2253, 0.3211)$

Conversions

Conversions Part 1

Format	Color
Hex	16989C
RGB	22, 152, 156
RGB Percent	9%, 60%, 61%
CMY	0.9134, 0.4039, 0.3883
CMYK	0.86, 0.03, 0.00, 0.39
HSL	182°, 75%, 35%
HSV	182°, 86%, 61%
XYZ	17.5604, 25.0273, 35.3547
YIQ	113.5860, -78.7640, -26.3160

Conversions

Conversions Part 2

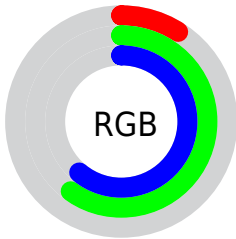
Format	Color
R _Y B	22, 88, 156
Decimal	1480860
CIE Lab	57.10, -30.32, -11.43
CIE LCh	57, 32.402, 200.651
Yxy	25.0273, 0.2253, 0.3211
Android (android.graphics.Color)	4279670940 (0xFF16989C)
YUV	113.5860, 20.9101, -80.3209
Hunter-Lab	50.0273, -24.8913, -6.8816

Details

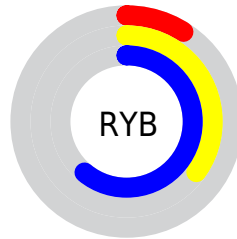
The Yxy color **25.0273, 0.2253, 0.3211** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **7.8675, 0.6021, 0.3330**, and the grayscale version is **16.6581, 0.3127, 0.3290**.

A 20% lighter version of the original color is **51.8202, 0.2435, 0.3246**, and **10.1343, 0.2208, 0.3149** is the 20% darker color. If you saturate the color by 10%, you get **24.7479, 0.2230, 0.3202**, and if you desaturate by 10%, it is **25.4140, 0.2293, 0.3221**.

Distribution



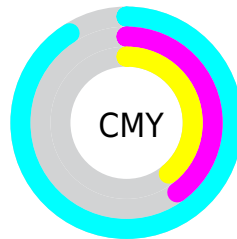
- Red (9%)
- Green (60%)
- Blue (61%)



- Red (9%)
- Yellow (35%)
- Blue (61%)



- Cyan (86%)
- Magenta (3%)
- Yellow (0%)
- Black (39%)




- Cyan (91%)
- Magenta (40%)
- Yellow (39%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 25.0273, 0.2253, 0.3211 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 25.0273, 0.2253, 0.3211 by changing the saturation by 10% instead.


 25.0273, 0.2253,
0.3211


 25.0273, 0.2253,
0.3211


 277.9739, 0.2722,
0.3268


 16.0974, 0.2126,
0.3189


 51.7015, 0.2431,
0.3237

 9.5931, 0.1958,
0.3154


 70.2146, 0.2495,
0.3245


 5.1300, 0.1725,
0.3097

 92.6909, 0.2549,
0.3251

 2.3237, 0.1387,
0.2988

 119.5147, 0.2594,
0.3256

 0.7862, 0.0027,
0.2994

 151.0706, 0.2633,
0.3260

 0.0000, 0.0000,
0.0000

 187.7428, 0.2666,

0.3263

229.9157, 0.2696,
0.3266

■ 25.0273, 0.2253,
0.3211

■ 25.0273, 0.2253,
0.3211

■ 24.7479, 0.2230,
0.3202

■ 25.4140, 0.2293,
0.3221

■ 24.6436, 0.2222,
0.3198

■ 25.9244, 0.2351,
0.3231

■ 26.5732, 0.2427,
0.3240

■ 27.3724, 0.2521,
0.3250

■ 28.3329, 0.2632,
0.3260

■ 29.4643, 0.2756,
0.3269

■ 30.7756, 0.2893,
0.3277

■ 32.2752, 0.3039,
0.3286

■ 33.9710, 0.3191,
0.3293

Harmonies

Analogous

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



25.0273, 0.2604, 0.3777



25.0273, 0.2253, 0.3211



25.0273, 0.2126, 0.2738

Triad

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



25.0273, 0.2253, 0.3211



25.0273, 0.3059, 0.2559



25.0273, 0.4075, 0.4079

Complementary

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



25.0273, 0.2253, 0.3211



7.8675, 0.6021, 0.3330

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.



25.0273, 0.4241, 0.3692



25.0273, 0.2253, 0.3211



25.0273, 0.3628, 0.2856

Square

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



25.0273, 0.2253, 0.3211



25.0273, 0.2557, 0.2418



25.0273, 0.4077, 0.3256



25.0273, 0.3655, 0.4296

Rectangle

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



25.0273, 0.2253, 0.3211



25.0273, 0.2171, 0.2535



25.0273, 0.4077, 0.3256



25.0273, 0.4164, 0.3962

Sweetspot

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



25.0282, 0.2253, 0.3211



53.3727, 0.2748, 0.3268



24.0137, 0.3002, 0.5819



11.5940, 0.2707, 0.3265



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.



25.0282, 0.2253, 0.3211



44.7096, 0.2221, 0.3196



9.3563, 0.1877, 0.1805



7.4755, 0.2988, 0.3283



20.3098, 0.2222, 0.3198



0.3726, 0.2232, 0.3237

Inverse Universe

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



9.9112, 0.3269, 0.1647



16.9107, 0.3286, 0.1584



14.6536, 0.5043, 0.4195



6.7512, 0.3142, 0.3076



7.6725, 0.3283, 0.1582



0.1381, 0.3251, 0.1565

Previews

White Background



This preview shows how the Yxy color 25.0273, 0.2253, 0.3211 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 25.0273, 0.2253, 0.3211 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

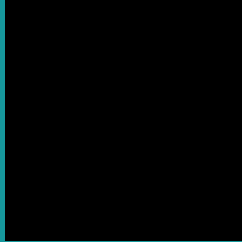
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 25.0273, 0.2253, 0.3211

Background



This preview shows how black text looks on a background with the Yxy color 25.0273, 0.2253, 0.3211.



This preview shows how white text looks on a background with the Yxy color 25.0273, 0.2253, 0.3211.

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

25.0273, 0.2253, 0.3211

Protanopia

24.6375, 0.3026, 0.3106

Deuteranopia

24.7164, 0.2911, 0.2853



Tritanopia

25.0689, 0.2229, 0.3063

Trichromacy



Original Color

25.0273, 0.2253, 0.3211



Protanomaly

23.6847, 0.2605, 0.3124



Deuteranomaly

23.7462, 0.2541, 0.2949



Tritanomaly

24.9182, 0.2238, 0.3117

Monochromacy



Original Color

25.0273, 0.2253, 0.3211



Achromatopsia

16.8269, 0.3127, 0.3290



Achromatomaly

18.7727, 0.2624, 0.3268

CSS Examples

Text

The CSS property to change the color of the text to Yxy 25.0273, 0.2253, 0.3211 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(22, 152, 156)` looks like.

```
.text, #text, p{  
    color:rgb(22, 152, 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(22, 152, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(22, 152, 156) }
```

Border

The CSS property to change the border of an element to Yxy 25.0273, 0.2253, 0.3211 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(22, 152, 156) }
```

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

```
.border{ border-color:rgb(22, 152, 156) }
```

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

Here you see how a box with a 4 pixel rgb(22, 152, 156) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(22, 152, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(22, 152, 156);  
box-shadow:4px 4px 4px 4px rgb(22, 152,  
156) }
```


Background

The CSS property to change the background color of an element to Yxy 25.0273, 0.2253, 0.3211 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(22, 152, 156) }
```

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

```
.background{ background-color: rgb(22, 152,  
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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