

Converting Colors

$Y_{xy}(32.2873, 0.2179, 0.2956)$

Have a look what the booklet for
Yxy(32.2873, 0.2179, 0.2956)
contains.

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Color

$\text{Yxy}(32.2567, 0.2178, 0.2955)$

Conversions

Conversions Part 1

Format	Color
Hex	19A9BD
RGB	25, 169, 189
RGB Percent	10%, 66%, 74%
CMY	0.9021, 0.3372, 0.2587
CMYK	0.87, 0.11, 0.00, 0.26
HSL	187°, 77%, 42%
HSV	187°, 87%, 74%
XYZ	23.7750, 32.2567, 53.1280
YIQ	128.2240, -92.2440, -24.3080

Conversions

Conversions Part 2

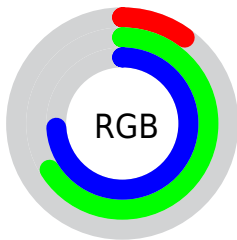
Format	Color
RYB	25, 102, 189
Decimal	1681853
CIELab	63.55, -27.87, -20.29
CIELCh	64, 34.472, 216.057
Yxy	32.2567, 0.2178, 0.2955
Android (android.graphics.Color)	4279871933 (0xFF19A9BD)
YUV	128.2240, 29.9626, -90.5274
Hunter-Lab	56.7950, -24.6692, -15.7055

Details

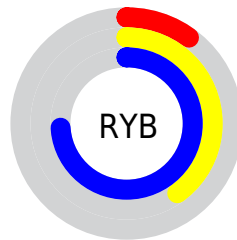
The Yxy color **32.2567, 0.2178, 0.2955** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **12.7677, 0.5960, 0.3442**, and the grayscale version is **21.5844, 0.3127, 0.3290**.

A 20% lighter version of the original color is **63.4463, 0.2359, 0.3040**, and **14.2684, 0.2119, 0.2829** is the 20% darker color. If you saturate the color by 10%, you get **31.2400, 0.2147, 0.2913**, and if you desaturate by 10%, it is **33.4501, 0.2226, 0.2997**.

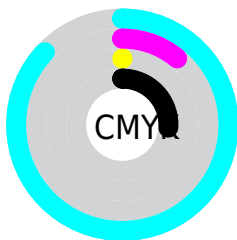
Distribution



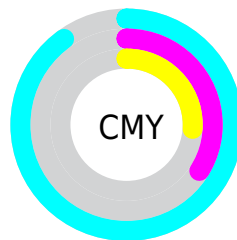
- Red (10%)
- Green (66%)
- Blue (74%)



- Red (10%)
- Yellow (40%)
- Blue (74%)



- Cyan (87%)
- Magenta (11%)
- Yellow (0%)
- Black (26%)




- Cyan (90%)
- Magenta (34%)
- Yellow (26%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 32.2567, 0.2178, 0.2955 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 32.2567, 0.2178, 0.2955 by changing the saturation by 10% instead.


 32.2567, 0.2178,
0.2955


 32.2567, 0.2178,
0.2955


312.2869, 0.2662,
0.3147

 21.5576, 0.2056,
0.2899


 63.2133, 0.2355,
0.3031


 13.5322, 0.1900,
0.2822


 84.2396, 0.2421,
0.3057


 7.7961, 0.1694,
0.2711


 109.4772, 0.2477,
0.3079

 3.9647, 0.1414,
0.2541

 139.3103, 0.2525,
0.3097

 1.6538, 0.1019,
0.2259

 174.1235, 0.2566,
0.3113

 0.3935, 0.0000,
0.1551

214.3011, 0.2602,

 0.0000, 0.0000,

0.3126

0.0000

260.2274, 0.2634,
0.3137

■ 32.2567, 0.2178,
0.2955

■ 32.2567, 0.2178,
0.2955

■ 31.2400, 0.2147,
0.2913

■ 33.4501, 0.2226,
0.2997

■ 30.9307, 0.2139,
0.2900

■ 34.8480, 0.2293,
0.3040

■ 36.4744, 0.2379,
0.3082

■ 38.3493, 0.2482,
0.3124

■ 40.4901, 0.2601,
0.3163

■ 42.9128, 0.2733,
0.3201

■ 45.6320, 0.2875,
0.3237

■ 48.6611, 0.3024,
0.3269

■ 52.0129, 0.3177,
0.3299

Harmonies

Analogous

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



32.2567, 0.2414, 0.3483



32.2567, 0.2178, 0.2955



32.2567, 0.2171, 0.2588

Triad

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



32.2567, 0.2178, 0.2955



32.2567, 0.3349, 0.2707



32.2567, 0.3868, 0.4202

Complementary

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



32.2567, 0.2178, 0.2955



12.7677, 0.5960, 0.3442

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.



32.2567, 0.4171, 0.3892



32.2567, 0.2178, 0.2955



32.2567, 0.3869, 0.3059

Square

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



32.2567, 0.2178, 0.2955



32.2567, 0.2805, 0.2484



32.2567, 0.4179, 0.3478



32.2567, 0.3379, 0.4269

Rectangle

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



32.2567, 0.2178, 0.2955



32.2567, 0.2292, 0.2462



32.2567, 0.4179, 0.3478



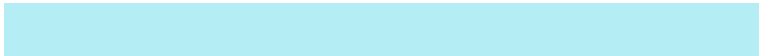
32.2567, 0.3996, 0.4118

Sweetspot

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



32.2579, 0.2178, 0.2955



77.0100, 0.2738, 0.3203



36.7929, 0.2962, 0.5718



16.2237, 0.2691, 0.3190



95.5105, 0.3127, 0.3290



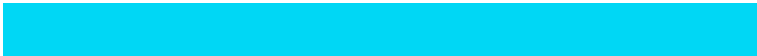
19.5994, 0.3127, 0.3290

Same Dimension

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



32.2579, 0.2178, 0.2955



55.1441, 0.2137, 0.2893



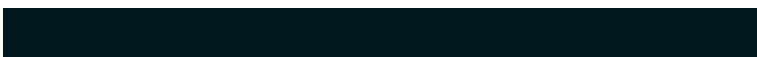
10.8376, 0.1779, 0.1475



10.6054, 0.2985, 0.3261



20.8815, 0.2140, 0.2905



0.8746, 0.2168, 0.3005

Inverse Universe

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



14.3802, 0.3489, 0.1760



24.2791, 0.3550, 0.1729



25.8480, 0.4864, 0.4389



9.6757, 0.3156, 0.3091



9.1377, 0.3539, 0.1723



0.3636, 0.3449, 0.1674

Previews

White Background



This preview shows how the Yxy color 32.2567, 0.2178, 0.2955 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 32.2567, 0.2178, 0.2955 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

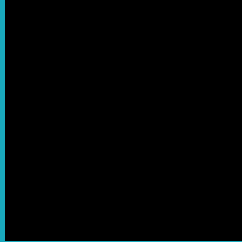
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 32.2567, 0.2178, 0.2955

Background



This preview shows how black text looks on a background with the Yxy color 32.2567, 0.2178, 0.2955.

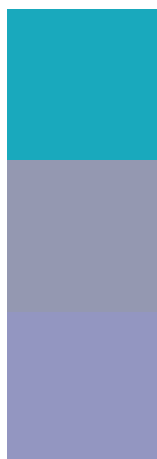


This preview shows how white text looks on a background with the Yxy color 32.2567, 0.2178, 0.2955.

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

32.2567, 0.2178, 0.2955

Protanopia

31.9267, 0.2868, 0.2918

Deuteranopia

31.8660, 0.2729, 0.2671



Tritanopia

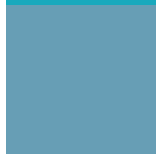
32.2957, 0.2191, 0.3051

Trichromacy



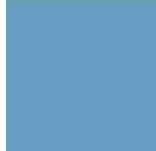
Original Color

32.2567, 0.2178, 0.2955



Protanomaly

30.6735, 0.2489, 0.2919



Deuteranomaly

30.8033, 0.2418, 0.2742



Tritanomaly

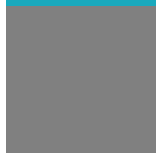
32.4138, 0.2186, 0.3019

Monochromacy



Original Color

32.2567, 0.2178, 0.2955



Achromatopsia

21.5861, 0.3127, 0.3290



Achromatomaly

24.0711, 0.2578, 0.3160

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.2567, 0.2178, 0.2955 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(25, 169, 189)` looks like.

```
.text, #text, p{  
    color:rgb(25, 169, 189)  
}
```

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(25, 169, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(25, 169, 189) }
```

Border

The CSS property to change the border of an element to Yxy 32.2567, 0.2178, 0.2955 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(25, 169, 189) }
```

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

```
.border{ border-color:rgb(25, 169, 189) }
```

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

Here you see how a box with a 4 pixel rgb(25, 169, 189) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(25, 169, 189); -webkit-box-  
shadow:4px 4px 4px 4px rgb(25, 169, 189);  
box-shadow:4px 4px 4px 4px rgb(25, 169,  
189) }
```


Background

The CSS property to change the background color of an element to Yxy 32.2567, 0.2178, 0.2955 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(25, 169, 189) }
```

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

```
.background{ background-color: rgb(25, 169,  
189) }
```

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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