

Converting Colors

$Yxy(28.6958, 0.2255, 0.3166)$

Have a look what the booklet for
Yxy(28.6958, 0.2255, 0.3166)
contains.

Yxy(28.6240, 0.2254, 0.3162)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

$\text{Yxy}(28.6240, 0.2254, 0.3162)$

Conversions

Conversions Part 1

Format	Color
Hex	20A1A8
RGB	32, 161, 168
RGB Percent	13%, 63%, 66%
CMY	0.8752, 0.3686, 0.3412
CMYK	0.81, 0.04, 0.00, 0.34
HSL	183°, 68%, 39%
HSV	183°, 81%, 66%
XYZ	20.4043, 28.6240, 41.4967
YIQ	123.2270, -79.1310, -25.1710

Conversions

Conversions Part 2

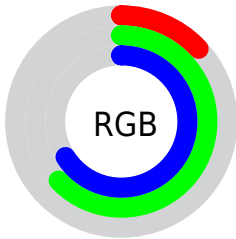
Format	Color
R_{YB}	32, 98, 168
Decimal	2138536
CIE _{Lab}	60.45, -30.13, -13.20
CIE _{LCh}	60, 32.896, 203.651
Yxy	28.6240, 0.2254, 0.3162
Android (android.graphics.Color)	4280328616 (0xFF20A1A8)
YUV	123.2270, 22.0731, -80.0061
Hunter-Lab	53.5014, -25.5512, -8.5354

Details

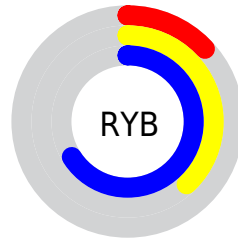
The Yxy color **28.6240, 0.2254, 0.3162** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **9.8677, 0.5835, 0.3362**, and the grayscale version is **19.8153, 0.3127, 0.3290**.

A 20% lighter version of the original color is **57.3230, 0.2423, 0.3196**, and **12.1982, 0.2197, 0.3108** is the 20% darker color. If you saturate the color by 10%, you get **28.1220, 0.2221, 0.3145**, and if you desaturate by 10%, it is **29.2671, 0.2304, 0.3179**.

Distribution



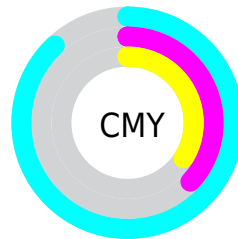
- Red (13%)
- Green (63%)
- Blue (66%)



- Red (13%)
- Yellow (38%)
- Blue (66%)



- Cyan (81%)
- Magenta (4%)
- Yellow (0%)
- Black (34%)





- Cyan (88%)
- Magenta (37%)
- Yellow (34%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 28.6240, 0.2254, 0.3162 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 28.6240, 0.2254, 0.3162 by changing the saturation by 10% instead.

 28.6240, 0.2254,
0.3162


 28.6240, 0.2254,
0.3162


295.4367, 0.2712,
0.3245


 18.7966, 0.2134,
0.3134


 57.4792, 0.2425,
0.3197


 11.5234, 0.1977,
0.3092


 77.2757, 0.2488,
0.3209

 6.4200, 0.1764,
0.3027


 101.1640, 0.2540,
0.3218

 3.1021, 0.1463,
0.2915

 129.5285, 0.2585,
0.3226

 1.1853, 0.0843,
0.2746

 162.7537, 0.2623,
0.3232

 0.0496, 0.0000,
0.0484

201.2238, 0.2657,

 0.0000, 0.0000,

0.3237

0.0000

245.3234, 0.2686,
0.3241

■ 28.6240, 0.2254,
0.3162

■ 28.6240, 0.2254,
0.3162

■ 28.1220, 0.2221,
0.3145

■ 29.2671, 0.2304,
0.3179

■ 27.7532, 0.2203,
0.3130

■ 30.0665, 0.2373,
0.3196

■ 31.0389, 0.2461,
0.3213

■ 32.1979, 0.2566,
0.3230

■ 33.5559, 0.2685,
0.3246

■ 35.1241, 0.2818,
0.3261

■ 36.9128, 0.2961,
0.3275

■ 38.9319, 0.3111,
0.3289

■ 41.1904, 0.3265,
0.3301

Harmonies

Analogous

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



28.6240, 0.2577, 0.3709



28.6240, 0.2254, 0.3162



28.6240, 0.2152, 0.2719

Triad

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



28.6240, 0.2254, 0.3162



28.6240, 0.3117, 0.2600



28.6240, 0.4017, 0.4090

Complementary

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



28.6240, 0.2254, 0.3162



9.8677, 0.5835, 0.3362

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.



28.6240, 0.4207, 0.3725



28.6240, 0.2254, 0.3162



28.6240, 0.3666, 0.2904

Square

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



28.6240, 0.2254, 0.3162



28.6240, 0.2615, 0.2446



28.6240, 0.4080, 0.3301



28.6240, 0.3592, 0.4272

Rectangle

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



28.6240, 0.2254, 0.3162



28.6240, 0.2211, 0.2534



28.6240, 0.4080, 0.3301



28.6240, 0.4112, 0.3981

Sweetspot

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



28.6251, 0.2254, 0.3162



62.7280, 0.2772, 0.3256



28.4550, 0.2991, 0.5691



13.4603, 0.2727, 0.3251



84.8088, 0.3127, 0.3290



15.4872, 0.3127, 0.3290

Same Dimension

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



28.6251, 0.2254, 0.3162



50.4683, 0.2207, 0.3132



10.9788, 0.1895, 0.1796



8.4651, 0.2987, 0.3278



20.9804, 0.2203, 0.3132



0.5297, 0.2219, 0.3187

Inverse Universe

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



11.9224, 0.3308, 0.1707



19.8221, 0.3339, 0.1622



18.8864, 0.4875, 0.4255



7.6599, 0.3145, 0.3079



8.1890, 0.3340, 0.1613



0.2012, 0.3293, 0.1588

Previews

White Background



This preview shows how the Yxy color 28.6240, 0.2254, 0.3162 looks on a white background.

Color Contrast Check

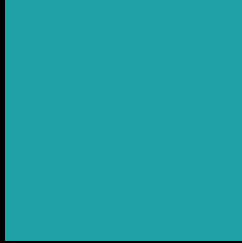
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.6240, 0.2254, 0.3162 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

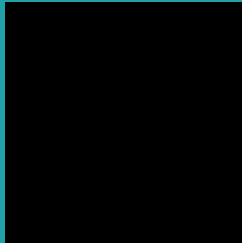
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 28.6240, 0.2254, 0.3162

Background



This preview shows how black text looks on a background with the Yxy color 28.6240, 0.2254, 0.3162.

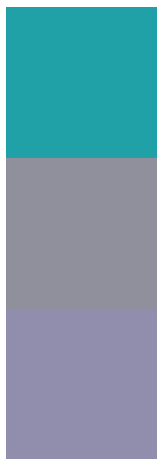


This preview shows how white text looks on a background with the Yxy color 28.6240, 0.2254, 0.3162.

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

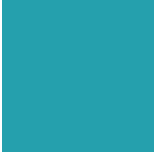
28.6240, 0.2254, 0.3162

Protanopia

28.3101, 0.3003, 0.3085

Deuteranopia

28.0481, 0.2875, 0.2815



Tritanopia

28.5521, 0.2236, 0.3058

Trichromacy



Original Color

28.6240, 0.2254, 0.3162



Protanomaly

27.2695, 0.2607, 0.3100



Deuteranomaly

27.0631, 0.2537, 0.2903



Tritanomaly

28.4392, 0.2241, 0.3092

Monochromacy



Original Color

28.6240, 0.2254, 0.3162



Achromatopsia

19.8069, 0.3127, 0.3290



Achromatomaly

21.9291, 0.2641, 0.3250

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.6240, 0.2254, 0.3162 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, 161, 168)` looks like.

```
.text, #text, p{  
  color:rgb(32, 161, 168)  
}
```

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, 161, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(32, 161, 168) }
```

Border

The CSS property to change the border of an element to Yxy 28.6240, 0.2254, 0.3162 is called "border". The border property can be set on classes, ids or directly on the HTML element.

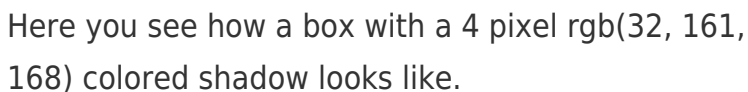
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(32, 161, 168) }
```

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

```
.border{ border-color:rgb(32, 161, 168) }
```

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



Here you see how a box with a 4 pixel `rgb(32, 161, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(32, 161, 168); -webkit-box-shadow:4px 4px 4px 4px rgb(32, 161, 168); box-shadow:4px 4px 4px 4px rgb(32, 161, 168) }
```


Background

The CSS property to change the background color of an element to Yxy 28.6240, 0.2254, 0.3162 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(32, 161, 168) }
```

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

```
.background{ background-color: rgb(32, 161,  
168) }
```

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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