

Converting Colors

$Yxy(28.0149, 0.2367, 0.3615)$

Have a look what the booklet for
Yxy(28.0149, 0.2367, 0.3615)
contains.

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Color

$\text{Yxy}(28.0672, 0.2366, 0.3613)$

Conversions

Conversions Part 1

Format	Color
Hex	17A291
RGB	23, 162, 145
RGB Percent	9%, 64%, 57%
CMY	0.9108, 0.3647, 0.4314
CMYK	0.86, 0.00, 0.10, 0.36
HSL	173°, 75%, 36%
HSV	173°, 86%, 64%
XYZ	18.3800, 28.0672, 31.2367
YIQ	118.5010, -77.3870, -34.7550

Conversions

Conversions Part 2

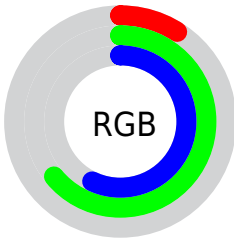
Format	Color
R_{YB}	23, 97, 162
Decimal	1548945
CIE _{Lab}	59.95, -38.23, -0.96
CIE _{LCh}	60, 38.242, 181.437
Yxy	28.0672, 0.2366, 0.3613
Android (android.graphics.Color)	4279739025 (0xFF17A291)
YUV	118.5010, 13.0640, -83.7544
Hunter-Lab	52.9785, -30.7847, 2.1269

Details

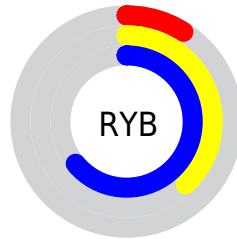
The Yxy color **28.0672, 0.2366, 0.3613** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **8.4369, 0.5812, 0.3147**, and the grayscale version is **18.2354, 0.3127, 0.3290**.

A 20% lighter version of the original color is **56.8077, 0.2520, 0.3551**, and **11.7635, 0.2355, 0.3676** is the 20% darker color. If you saturate the color by 10%, you get **27.8708, 0.2356, 0.3655**, and if you desaturate by 10%, it is **28.3810, 0.2393, 0.3571**.

Distribution



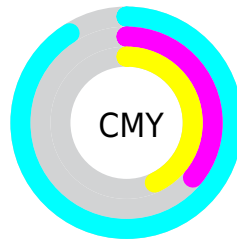
- Red (9%)
- Green (64%)
- Blue (57%)



- Red (9%)
- Yellow (38%)
- Blue (64%)



- Cyan (86%)
- Magenta (0%)
- Yellow (10%)
- Black (36%)




- Cyan (91%)
- Magenta (36%)
- Yellow (43%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.0672, 0.2366, 0.3613 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 28.0672, 0.2366, 0.3613 by changing the saturation by 10% instead.


 28.0672, 0.2366,
0.3613


 28.0672, 0.2366,
0.3613


292.7879, 0.2774,
0.3441


 18.3763, 0.2255,
0.3659


 56.5917, 0.2521,
0.3548


 11.2205, 0.2107,
0.3720


 76.1941, 0.2577,
0.3525


 6.2154, 0.1900,
0.3805

 99.8692, 0.2624,
0.3505

 2.9765, 0.1595,
0.3927

 128.0013, 0.2663,
0.3488

 1.1195, 0.0449,
0.4421

 160.9748, 0.2697,
0.3474

 0.0000, 0.0000,
0.0000

 199.1742, 0.2726,

0.3462

242.9837, 0.2752,
0.3451

■ 28.0672, 0.2366,
0.3613

■ 28.0672, 0.2366,
0.3613

■ 27.8708, 0.2356,
0.3655

■ 28.3810, 0.2393,
0.3571

■ 27.8044, 0.2353,
0.3671

■ 28.8298, 0.2439,
0.3529

■ 29.4299, 0.2504,
0.3488

■ 30.1947, 0.2586,
0.3448

■ 31.1360, 0.2684,
0.3409

■ 32.2645, 0.2795,
0.3373

■ 33.5900, 0.2917,
0.3339

■ 35.1217, 0.3047,
0.3307

■ 36.8683, 0.3182,
0.3279

Harmonies

Analogous

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



28.0672, 0.2886, 0.4201



28.0672, 0.2366, 0.3613



28.0672, 0.2065, 0.2976

Triad

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



28.0672, 0.2366, 0.3613



28.0672, 0.2666, 0.2349



28.0672, 0.4360, 0.3897

Complementary

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



28.0672, 0.2366, 0.3613



8.4369, 0.5812, 0.3147

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.



28.0672, 0.4318, 0.3416



28.0672, 0.2366, 0.3613



28.0672, 0.3279, 0.2574

Square

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



28.0672, 0.2366, 0.3613



28.0672, 0.2226, 0.2322



28.0672, 0.3906, 0.2951



28.0672, 0.4046, 0.4294

Rectangle

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



28.0672, 0.2366, 0.3613



28.0672, 0.2007, 0.2649



28.0672, 0.3906, 0.2951



28.0672, 0.4389, 0.3740

Sweetspot

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



28.0683, 0.2366, 0.3613



58.4465, 0.2789, 0.3375



26.3835, 0.3075, 0.5794



12.9683, 0.2751, 0.3386



82.7571, 0.3127, 0.3290



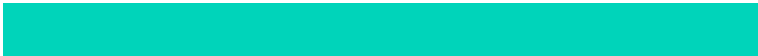
14.7319, 0.3127, 0.3290

Same Dimension

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



28.0683, 0.2366, 0.3613



50.4487, 0.2355, 0.3679



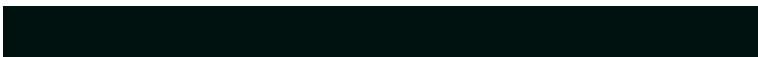
14.1456, 0.1993, 0.2247



7.9963, 0.3003, 0.3317



21.9058, 0.2352, 0.3668



0.4642, 0.2310, 0.3517

Inverse Universe

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



8.4369, 0.5812, 0.3147



14.0190, 0.6262, 0.3223



12.6156, 0.5396, 0.3892



7.0994, 0.3266, 0.3263



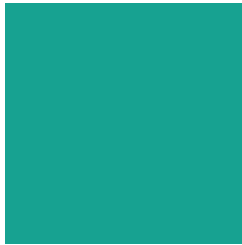
6.0945, 0.6217, 0.3198



0.1319, 0.5562, 0.2837

Previews

White Background



This preview shows how the Yxy color 28.0672, 0.2366, 0.3613 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 28.0672, 0.2366, 0.3613 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

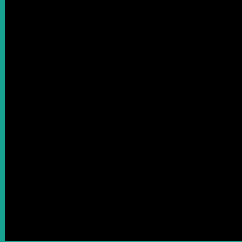
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 28.0672, 0.2366, 0.3613

Background



This preview shows how black text looks on a background with the Yxy color 28.0672, 0.2366, 0.3613.



This preview shows how white text looks on a background with the Yxy color 28.0672, 0.2366, 0.3613.

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

28.0672, 0.2366, 0.3613

Protanopia

27.6621, 0.3272, 0.3436

Deuteranopia

27.5373, 0.3179, 0.3119



Tritanopia

27.9748, 0.2262, 0.3057

Trichromacy



Original Color

28.0672, 0.2366, 0.3613



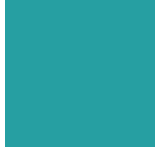
Protanomaly

26.4725, 0.2778, 0.3507



Deuteranomaly

26.0697, 0.2726, 0.3271



Tritanomaly

27.8170, 0.2292, 0.3233

Monochromacy



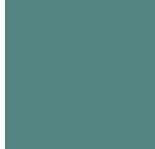
Original Color

28.0672, 0.2366, 0.3613



Achromatopsia

18.1164, 0.3127, 0.3290



Achromatomaly

20.4477, 0.2666, 0.3410

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.0672, 0.2366, 0.3613 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(23, 162, 145)` looks like.

```
.text, #text, p{  
    color:rgb(23, 162, 145)  
}
```

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(23, 162, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(23, 162, 145) }
```

Border

The CSS property to change the border of an element to Yxy 28.0672, 0.2366, 0.3613 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(23, 162, 145) }
```

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

```
.border{ border-color:rgb(23, 162, 145) }
```

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

Here you see how a box with a 4 pixel rgb(23, 162, 145) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(23, 162, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(23, 162, 145);  
box-shadow:4px 4px 4px 4px rgb(23, 162,  
145) }
```


Background

The CSS property to change the background color of an element to Yxy 28.0672, 0.2366, 0.3613 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(23, 162, 145) }
```

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

```
.background{ background-color: rgb(23, 162,  
145) }
```

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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