

Converting Colors

$Yxy(27.9674, 0.2339, 0.3556)$

Have a look what the booklet for
Yxy(27.9674, 0.2339, 0.3556)
contains.

Yxy(28.0889, 0.2338, 0.3554)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

$Y_{xy}(28.0889, 0.2338, 0.3554)$

Conversions

Conversions Part 1

Format	Color
Hex	10A294
RGB	16, 162, 148
RGB Percent	6%, 64%, 58%
CMY	0.9376, 0.3647, 0.4196
CMYK	0.90, 0.00, 0.09, 0.36
HSL	174°, 82%, 35%
HSV	174°, 90%, 64%
XYZ	18.4783, 28.0889, 32.4674
YIQ	116.7500, -82.5220, -35.3060

Conversions

Conversions Part 2

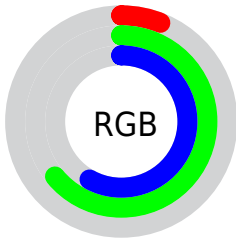
Format	Color
R_{YB}	16, 93, 162
Decimal	1090196
CIE _{Lab}	59.97, -37.80, -2.64
CIE _{LCh}	60, 37.891, 183.988
Yxy	28.0889, 0.2338, 0.3554
Android (android.graphics.Color)	4279280276 (0xFF10A294)
YUV	116.7500, 15.4062, -88.3577
Hunter-Lab	52.9990, -30.5135, 0.7779

Details

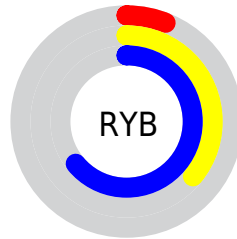
The Yxy color **28.0889, 0.2338, 0.3554** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **8.1429, 0.6020, 0.3200**, and the grayscale version is **17.6702, 0.3127, 0.3290**.

A 20% lighter version of the original color is **56.8400, 0.2497, 0.3508**, and **11.8003, 0.2339, 0.3618** is the 20% darker color. If you saturate the color by 10%, you get **27.9327, 0.2329, 0.3585**, and if you desaturate by 10%, it is **28.3389, 0.2360, 0.3522**.

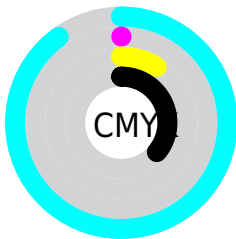
Distribution



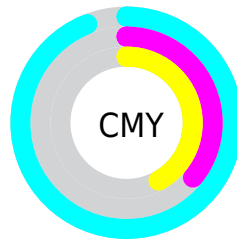
- Red (6%)
- Green (64%)
- Blue (58%)



- Red (6%)
- Yellow (36%)
- Blue (64%)



- Cyan (90%)
- Magenta (0%)
- Yellow (9%)
- Black (36%)





- Cyan (94%)
- Magenta (36%)
- Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 28.0889, 0.2338, 0.3554 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 28.0889, 0.2338, 0.3554 by changing the saturation by 10% instead.


 28.0889, 0.2338,
0.3554


 28.0889, 0.2338,
0.3554


292.8915, 0.2759,
0.3417


 18.3927, 0.2224,
0.3590


 56.6263, 0.2498,
0.3503


 11.2323, 0.2072,
0.3636


 76.2364, 0.2556,
0.3484

 6.2233, 0.1862,
0.3697

 99.9198, 0.2604,
0.3468

 2.9813, 0.1554,
0.3781

 128.0610, 0.2645,
0.3455

 1.1220, 0.0468,
0.4158

 161.0443, 0.2680,
0.3443

 0.0000, 0.0000,
0.0000

 199.2543, 0.2710,

0.3433

243.0752, 0.2736,
0.3424

■ 28.0889, 0.2338,
0.3554

■ 28.0889, 0.2338,
0.3554

■ 27.9327, 0.2329,
0.3585

■ 28.3389, 0.2360,
0.3522

■ 28.7161, 0.2400,
0.3489

■ 29.2381, 0.2458,
0.3457

■ 29.9190, 0.2535,
0.3426

■ 30.7710, 0.2629,
0.3395

■ 31.8054, 0.2737,
0.3366

■ 33.0324, 0.2857,
0.3339

■ 34.4613, 0.2988,
0.3314

■ 36.1011, 0.3125,
0.3290

Harmonies

Analogous

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



28.0889, 0.2839, 0.4152



28.0889, 0.2338, 0.3554



28.0889, 0.2060, 0.2933

Triad

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



28.0889, 0.2338, 0.3554



28.0889, 0.2717, 0.2368



28.0889, 0.4334, 0.3931

Complementary

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



28.0889, 0.2338, 0.3554



8.1429, 0.6020, 0.3200

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.



28.0889, 0.4325, 0.3457



28.0889, 0.2338, 0.3554



28.0889, 0.3333, 0.2606

Square

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



28.0889, 0.2338, 0.3554



28.0889, 0.2262, 0.2324



28.0889, 0.3945, 0.2991



28.0889, 0.3999, 0.4311

Rectangle

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



28.0889, 0.2338, 0.3554



28.0889, 0.2016, 0.2621



28.0889, 0.3945, 0.2991



28.0889, 0.4374, 0.3777

Sweetspot

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



28.0900, 0.2338, 0.3554



58.2965, 0.2768, 0.3359



26.1632, 0.3045, 0.5873



12.9418, 0.2730, 0.3368



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.



28.0900, 0.2338, 0.3554



50.6902, 0.2331, 0.3591



12.5314, 0.1935, 0.2083



7.9995, 0.3000, 0.3311



22.0082, 0.2329, 0.3583



0.4656, 0.2296, 0.3466

Inverse Universe

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



8.1429, 0.6020, 0.3200



13.9966, 0.6303, 0.3246



12.6628, 0.5435, 0.3940



7.0965, 0.3270, 0.3269



6.0831, 0.6264, 0.3225



0.1309, 0.5717, 0.2923

Previews

White Background



This preview shows how the Yxy color 28.0889, 0.2338, 0.3554 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 28.0889, 0.2338, 0.3554 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

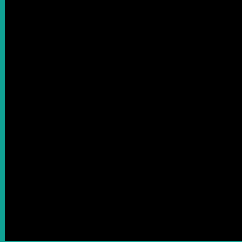
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 28.0889, 0.2338, 0.3554

Background



This preview shows how black text looks on a background with the Yxy color 28.0889, 0.2338, 0.3554.

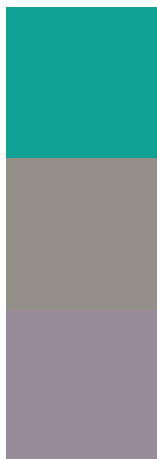


This preview shows how white text looks on a background with the Yxy color 28.0889, 0.2338, 0.3554.

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

28.0889, 0.2338, 0.3554

Protanopia

27.7470, 0.3241, 0.3387

Deuteranopia

27.5374, 0.3137, 0.3072



Tritanopia

28.2288, 0.2255, 0.3074

Trichromacy



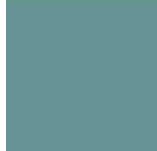
Original Color

28.0889, 0.2338, 0.3554



Protanomaly

26.4451, 0.2737, 0.3452



Deuteranomaly

25.9854, 0.2676, 0.3218



Tritanomaly

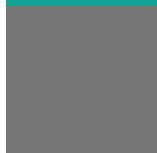
28.1093, 0.2278, 0.3233

Monochromacy



Original Color

28.0889, 0.2338, 0.3554



Achromatopsia

17.7888, 0.3127, 0.3290



Achromatomaly

20.0390, 0.2638, 0.3391

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.0889, 0.2338, 0.3554 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(16, 162, 148)` looks like.

```
.text, #text, p{  
    color:rgb(16, 162, 148)  
}
```

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(16, 162, 148) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(16, 162, 148) }
```

Border

The CSS property to change the border of an element to Yxy 28.0889, 0.2338, 0.3554 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(16, 162, 148) }
```

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

```
.border{ border-color:rgb(16, 162, 148) }
```

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

Here you see how a box with a 4 pixel `rgb(16, 162, 148)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(16, 162, 148); -webkit-box-  
shadow:4px 4px 4px 4px rgb(16, 162, 148);  
box-shadow:4px 4px 4px 4px rgb(16, 162,  
148) }
```


Background

The CSS property to change the background color of an element to Yxy 28.0889, 0.2338, 0.3554 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(16, 162, 148) }
```

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

```
.background{ background-color: rgb(16, 162,  
148) }
```

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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