

Converting Colors

$Yxy(27.5950, 0.2337, 0.3534)$

Have a look what the booklet for
Yxy(27.5950, 0.2337, 0.3534)
contains.

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Color

$\text{Yxy}(27.7663, 0.2338, 0.3536)$

Conversions

Conversions Part 1

Format	Color
Hex	13A194
RGB	19, 161, 148
RGB Percent	7%, 63%, 58%
CMY	0.9250, 0.3686, 0.4197
CMYK	0.88, 0.00, 0.08, 0.37
HSL	174°, 79%, 35%
HSV	174°, 88%, 63%
XYZ	18.3591, 27.7663, 32.3993
YIQ	117.0600, -80.4590, -34.1470

Conversions

Conversions Part 2

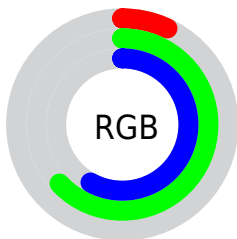
Format	Color
R_{YB}	19, 93, 161
Decimal	1286548
CIE _{Lab}	59.68, -37.17, -3.05
CIE _{LCh}	60, 37.290, 184.684
Yxy	27.7663, 0.2338, 0.3536
Android (android.graphics.Color)	4279476628 (0xFF13A194)
YUV	117.0600, 15.2534, -85.9986
Hunter-Lab	52.6937, -30.0228, 0.4306

Details

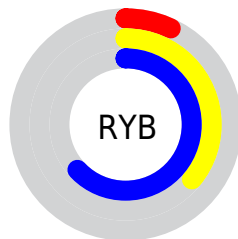
The Yxy color **27.7663, 0.2338, 0.3536** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **8.1527, 0.5959, 0.3197**, and the grayscale version is **17.7919, 0.3127, 0.3290**.

A 20% lighter version of the original color is **55.8628, 0.2495, 0.3482**, and **11.5882, 0.2331, 0.3592** is the 20% darker color. If you saturate the color by 10%, you get **27.6006, 0.2327, 0.3567**, and if you desaturate by 10%, it is **28.0361, 0.2364, 0.3505**.

Distribution



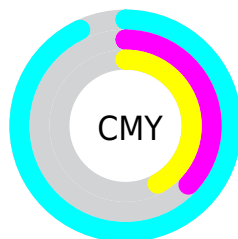
- Red (7%)
- Green (63%)
- Blue (58%)



- Red (7%)
- Yellow (36%)
- Blue (63%)



- Cyan (88%)
- Magenta (0%)
- Yellow (8%)
- Black (37%)




- Cyan (93%)
- Magenta (37%)
- Yellow (42%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.7663, 0.2338, 0.3536 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 27.7663, 0.2338, 0.3536 by changing the saturation by 10% instead.


 27.7663, 0.2338,
0.3536


 27.7663, 0.2338,
0.3536


 291.3485, 0.2760,
0.3409


 18.1496, 0.2224,
0.3569


 56.1111, 0.2498,
0.3489


 11.0574, 0.2072,
0.3611


 75.6080, 0.2556,
0.3471

 6.1055, 0.1860,
0.3666

 99.1670, 0.2604,
0.3457

 2.9093, 0.1551,
0.3741

 127.1726, 0.2645,
0.3444

 1.0846, 0.0421,
0.4112

 160.0092, 0.2680,
0.3434

 0.0000, 0.0000,
0.0000

 198.0611, 0.2710,

0.3424

241.7127, 0.2737,
0.3416

■ 27.7663, 0.2338,
0.3536

■ 27.7663, 0.2338,
0.3536

■ 27.6006, 0.2327,
0.3567

■ 28.0361, 0.2364,
0.3505

■ 27.5723, 0.2326,
0.3572

■ 28.4349, 0.2408,
0.3474

■ 28.9794, 0.2471,
0.3444

■ 29.6831, 0.2551,
0.3414

■ 30.5577, 0.2648,
0.3385

■ 31.6142, 0.2760,
0.3357

■ 32.8624, 0.2883,
0.3332

■ 34.3113, 0.3015,
0.3308

■ 35.9698, 0.3154,
0.3286

Harmonies

Analogous

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



27.7663, 0.2830, 0.4129



27.7663, 0.2338, 0.3536



27.7663, 0.2068, 0.2926

Triad

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



27.7663, 0.2338, 0.3536



27.7663, 0.2734, 0.2381



27.7663, 0.4316, 0.3936

Complementary

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



27.7663, 0.2338, 0.3536



8.1527, 0.5959, 0.3197

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.



27.7663, 0.4315, 0.3468



27.7663, 0.2338, 0.3536



27.7663, 0.3346, 0.2621

Square

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



27.7663, 0.2338, 0.3536



27.7663, 0.2280, 0.2333



27.7663, 0.3947, 0.3005



27.7663, 0.3979, 0.4306

Rectangle

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



27.7663, 0.2338, 0.3536



27.7663, 0.2029, 0.2620



27.7663, 0.3947, 0.3005



27.7663, 0.4358, 0.3784

Sweetspot

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



27.7674, 0.2338, 0.3536



56.9572, 0.2779, 0.3353



25.8663, 0.3050, 0.5843



12.3457, 0.2741, 0.3362



80.7346, 0.3127, 0.3290



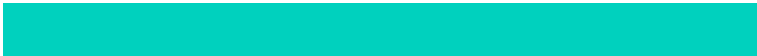
13.9985, 0.3127, 0.3290

Same Dimension

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



27.7674, 0.2338, 0.3536



49.3636, 0.2327, 0.3578



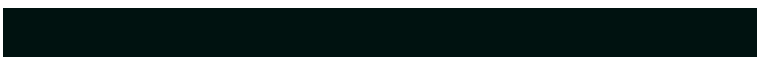
12.6652, 0.1950, 0.2115



8.0000, 0.2999, 0.3311



22.0241, 0.2325, 0.3570



0.4658, 0.2294, 0.3458

Inverse Universe

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



8.1527, 0.5959, 0.3197



13.6176, 0.6308, 0.3249



12.7774, 0.5378, 0.3951



7.0960, 0.3271, 0.3270



6.0815, 0.6271, 0.3228



0.1307, 0.5742, 0.2937

Previews

White Background



This preview shows how the Yxy color 27.7663, 0.2338, 0.3536 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 27.7663, 0.2338, 0.3536 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

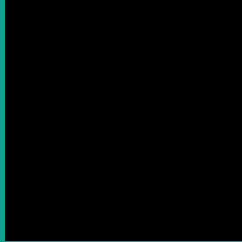
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 27.7663, 0.2338, 0.3536

Background



This preview shows how black text looks on a background with the Yxy color 27.7663, 0.2338, 0.3536.



This preview shows how white text looks on a background with the Yxy color 27.7663, 0.2338, 0.3536.

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

27.7663, 0.2338, 0.3536

Protanopia

27.3552, 0.3232, 0.3371

Deuteranopia

27.4405, 0.3127, 0.3072



Tritanopia

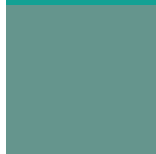
27.9076, 0.2253, 0.3056

Trichromacy



Original Color

27.7663, 0.2338, 0.3536



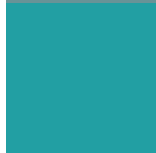
Protanomaly

26.1847, 0.2744, 0.3434



Deuteranomaly

26.0449, 0.2685, 0.3218



Tritanomaly

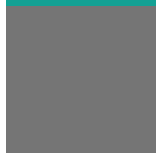
27.7807, 0.2276, 0.3214

Monochromacy



Original Color

27.7663, 0.2338, 0.3536



Achromatopsia

17.7888, 0.3127, 0.3290



Achromatomaly

20.0829, 0.2647, 0.3391

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.7663, 0.2338, 0.3536 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(19, 161, 148)` looks like.

```
.text, #text, p{  
    color:rgb(19, 161, 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(19, 161, 148) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(19, 161, 148) }
```

Border

The CSS property to change the border of an element to Yxy 27.7663, 0.2338, 0.3536 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(19, 161, 148) }
```

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

```
.border{ border-color:rgb(19, 161, 148) }
```

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

Here you see how a box with a 4 pixel rgb(19, 161, 148) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(19, 161, 148); -webkit-box-  
shadow:4px 4px 4px 4px rgb(19, 161, 148);  
box-shadow:4px 4px 4px 4px rgb(19, 161,  
148) }
```


Background

The CSS property to change the background color of an element to Yxy 27.7663, 0.2338, 0.3536 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(19, 161, 148) }
```

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

```
.background{ background-color: rgb(19, 161,  
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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