

Converting Colors

$Y_{xy}(27.8491, 0.2264, 0.3206)$

Have a look what the booklet for
Yxy(27.8491, 0.2264, 0.3206)
contains.

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Color

$Y_{xy}(27.7526, 0.2261, 0.3196)$

Conversions

Conversions Part 1

Format	Color
Hex	1E9FA4
RGB	30, 159, 164
RGB Percent	12%, 62%, 64%
CMY	0.8826, 0.3765, 0.3568
CMYK	0.82, 0.03, 0.00, 0.36
HSL	182°, 69%, 38%
HSV	182°, 82%, 64%
XYZ	19.6335, 27.7526, 39.4493
YIQ	120.9990, -78.4890, -25.7930

Conversions

Conversions Part 2

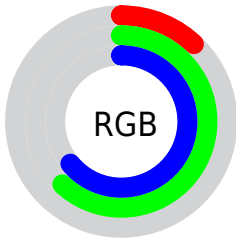
Format	Color
RYB	30, 96, 164
Decimal	2006948
CIELab	59.66, -30.57, -12.12
CIElCh	60, 32.889, 201.630
Yxy	27.7526, 0.2261, 0.3196
Android (android.graphics.Color)	4280197028 (0xFF1E9FA4)
YUV	120.9990, 21.1995, -79.8061
Hunter-Lab	52.6807, -25.6664, -7.5221

Details

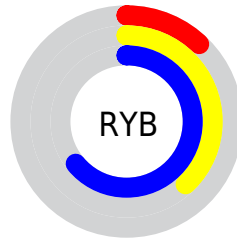
The Yxy color **27.7526, 0.2261, 0.3196** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **9.1858, 0.5876, 0.3343**, and the grayscale version is **19.0638, 0.3127, 0.3290**.

A 20% lighter version of the original color is **56.0324, 0.2432, 0.3221**, and **11.6852, 0.2210, 0.3156** is the 20% darker color. If you saturate the color by 10%, you get **27.3581, 0.2231, 0.3184**, and if you desaturate by 10%, it is **28.2785, 0.2309, 0.3208**.

Distribution



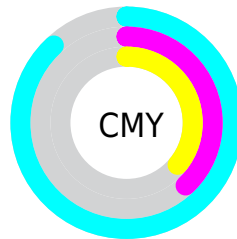
- Red (12%)
- Green (62%)
- Blue (64%)



- Red (12%)
- Yellow (38%)
- Blue (64%)



- Cyan (82%)
- Magenta (3%)
- Yellow (0%)
- Black (36%)





- Cyan (88%)
- Magenta (38%)
- Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.7526, 0.2261, 0.3196 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 27.7526, 0.2261, 0.3196 by changing the saturation by 10% instead.


 27.7526, 0.2261,
0.3196


 27.7526, 0.2261,
0.3196


 291.2829, 0.2718,
0.3261


 18.1392, 0.2140,
0.3173


 56.0892, 0.2432,
0.3224

 11.0500, 0.1981,
0.3138


 75.5813, 0.2495,
0.3234


 6.1005, 0.1765,
0.3081

 99.1350, 0.2547,
0.3241

 2.9063, 0.1456,
0.2979

 127.1348, 0.2592,
0.3246

 1.0830, 0.0714,
0.2856

 159.9651, 0.2630,
0.3251

 0.0000, 0.0000,
0.0000

 198.0103, 0.2663,

0.3255

241.6547, 0.2692,
0.3258

■ 27.7526, 0.2261,
0.3196

■ 27.7526, 0.2261,
0.3196

■ 27.3581, 0.2231,
0.3184

■ 28.2785, 0.2309,
0.3208

■ 27.0958, 0.2215,
0.3174

■ 28.9502, 0.2375,
0.3221

■ 29.7836, 0.2459,
0.3233

■ 30.7916, 0.2561,
0.3245

■ 31.9860, 0.2679,
0.3257

■ 33.3773, 0.2810,
0.3268

■ 34.9755, 0.2951,
0.3279

■ 36.7897, 0.3100,
0.3288

■ 38.8286, 0.3255,
0.3297

Harmonies

Analogous

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



27.7526, 0.2600, 0.3750



27.7526, 0.2261, 0.3196



27.7526, 0.2143, 0.2737

Triad

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



27.7526, 0.2261, 0.3196



27.7526, 0.3079, 0.2578



27.7526, 0.4047, 0.4076

Complementary

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



27.7526, 0.2261, 0.3196



9.1858, 0.5876, 0.3343

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.



27.7526, 0.4219, 0.3700



27.7526, 0.2261, 0.3196



27.7526, 0.3636, 0.2876

Square

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



27.7526, 0.2261, 0.3196



27.7526, 0.2581, 0.2434



27.7526, 0.4069, 0.3272



27.7526, 0.3630, 0.4279

Rectangle

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



27.7526, 0.2261, 0.3196



27.7526, 0.2192, 0.2541



27.7526, 0.4069, 0.3272



27.7526, 0.4137, 0.3963

Sweetspot

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



27.7536, 0.2261, 0.3196



59.5930, 0.2760, 0.3264



26.9482, 0.2998, 0.5727



12.8457, 0.2716, 0.3260



82.7571, 0.3127, 0.3290



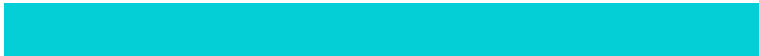
14.7319, 0.3127, 0.3290

Same Dimension

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



27.7536, 0.2261, 0.3196



49.2089, 0.2217, 0.3174



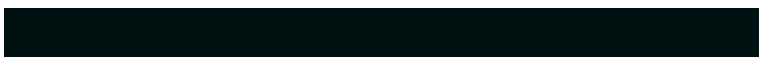
10.6976, 0.1901, 0.1831



7.9657, 0.2988, 0.3281



20.7883, 0.2215, 0.3175



0.4498, 0.2228, 0.3219

Inverse Universe

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



11.3223, 0.3280, 0.1685



18.8930, 0.3303, 0.1599



17.3806, 0.4921, 0.4225



7.1976, 0.3143, 0.3077



7.9427, 0.3303, 0.1593



0.1682, 0.3266, 0.1573

Previews

White Background



This preview shows how the Yxy color 27.7526, 0.2261, 0.3196 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 27.7526, 0.2261, 0.3196 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

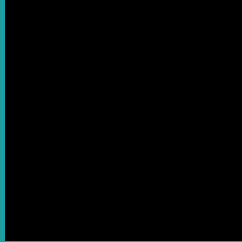
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 27.7526, 0.2261, 0.3196

Background



This preview shows how black text looks on a background with the Yxy color 27.7526, 0.2261, 0.3196.



This preview shows how white text looks on a background with the Yxy color 27.7526, 0.2261, 0.3196.

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

27.7526, 0.2261, 0.3196

Protanopia

27.3967, 0.3020, 0.3113

Deuteranopia

27.2217, 0.2900, 0.2840



Tritanopia

27.7873, 0.2237, 0.3055

Trichromacy



Original Color

27.7526, 0.2261, 0.3196



Protanomaly

26.3808, 0.2616, 0.3131



Deuteranomaly

26.2314, 0.2553, 0.2931



Tritanomaly

27.6210, 0.2245, 0.3107

Monochromacy



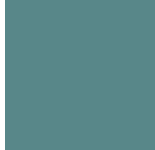
Original Color

27.7526, 0.2261, 0.3196



Achromatopsia

19.1202, 0.3127, 0.3290



Achromatomaly

21.2088, 0.2636, 0.3250

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.7526, 0.2261, 0.3196 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(30, 159, 164)` looks like.

```
.text, #text, p{  
    color:rgb(30, 159, 164)  
}
```

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(30, 159, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(30, 159, 164) }
```

Border

The CSS property to change the border of an element to Yxy 27.7526, 0.2261, 0.3196 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(30, 159, 164) }
```

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

```
.border{ border-color:rgb(30, 159, 164) }
```

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

Here you see how a box with a 4 pixel `rgb(30, 159, 164)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(30, 159, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(30, 159, 164);  
box-shadow:4px 4px 4px 4px rgb(30, 159,  
164) }
```


Background

The CSS property to change the background color of an element to Yxy 27.7526, 0.2261, 0.3196 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(30, 159, 164) }
```

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

```
.background{ background-color: rgb(30, 159,  
164) }
```

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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