

Converting Colors

$Y_{xy}(28.1325, 0.2518, 0.3440)$

Have a look what the booklet for
Yxy(28.1325, 0.2518, 0.3440)
contains.

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Color

Yxy(28.1516, 0.2517, 0.3434)

Conversions

Conversions Part 1

Format	Color
Hex	4B9E96
RGB	75, 158, 150
RGB Percent	29%, 62%, 59%
CMY	0.7058, 0.3804, 0.4118
CMYK	0.53, 0.00, 0.05, 0.38
HSL	174°, 36%, 46%
HSV	174°, 53%, 62%
XYZ	20.6341, 28.1516, 33.1933
YIQ	132.2710, -46.9000, -20.0840

Conversions

Conversions Part 2

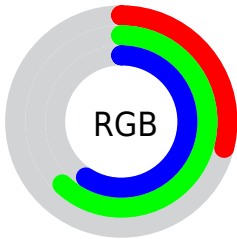
Format	Color
R_{YB}	75, 119, 158
Decimal	4955798
CIE _{Lab}	60.03, -27.19, -3.53
CIE _{LCh}	60, 27.418, 187.389
Yxy	28.1516, 0.2517, 0.3434
Android (android.graphics.Color)	4283145878 (0xFF4B9E96)
YUV	132.2710, 8.7404, -50.2267
Hunter-Lab	53.0581, -23.4335, 0.0486

Details

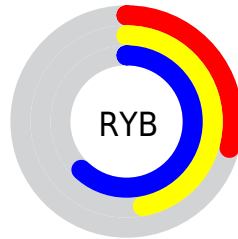
The Yxy color **28.1516, 0.2517, 0.3434** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **12.9310, 0.4452, 0.3166**, and the grayscale version is **23.1607, 0.3127, 0.3290**.

A 20% lighter version of the original color is **56.6940, 0.2639, 0.3408**, and **11.2347, 0.2311, 0.3481** is the 20% darker color. If you saturate the color by 10%, you get **27.5436, 0.2444, 0.3466**, and if you desaturate by 10%, it is **28.9207, 0.2607, 0.3403**.

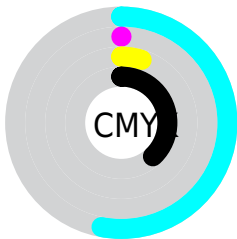
Distribution



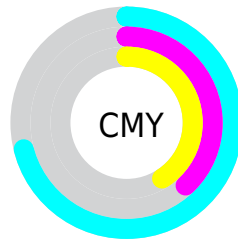
- Red (29%)
- Green (62%)
- Blue (59%)



- Red (29%)
- Yellow (47%)
- Blue (62%)



- Cyan (53%)
- Magenta (0%)
- Yellow (5%)
- Black (38%)





- Cyan (71%)
- Magenta (38%)
- Yellow (41%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.1516, 0.2517, 0.3434 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 28.1516, 0.2517, 0.3434 by changing the saturation by 10% instead.


 28.1516, 0.2517,
0.3434


 28.1516, 0.2517,
0.3434


293.1906, 0.2844,
0.3360


 18.4400, 0.2428,
0.3453


 56.7264, 0.2641,
0.3407

 11.2663, 0.2309,
0.3476


 76.3583, 0.2686,
0.3397

 6.2463, 0.2142,
0.3507


 100.0658, 0.2723,
0.3389

 2.9954, 0.1893,
0.3548

 128.2333, 0.2755,
0.3381

 1.1293, 0.1277,
0.3687

 161.2451, 0.2782,
0.3375

 0.0028, 0.0000,
0.0112

199.4857, 0.2805,

 0.0000, 0.0000,

0.3370

0.0000

243.3394, 0.2826,
0.3365

■ 28.1516, 0.2517,
0.3434

■ 28.1516, 0.2517,
0.3434

■ 27.5436, 0.2444,
0.3466

■ 28.9207, 0.2607,
0.3403

■ 27.0814, 0.2390,
0.3498

■ 29.8583, 0.2711,
0.3373

■ 26.7526, 0.2354,
0.3531

■ 30.9752, 0.2829,
0.3346

■ 26.5409, 0.2336,
0.3563

■ 32.2806, 0.2957,
0.3320

■ 26.4292, 0.2330,
0.3587

■ 33.7827, 0.3092,
0.3296

■ 35.4897, 0.3232,
0.3274

■ 37.4088, 0.3375,
0.3255

■ 39.5473, 0.3518,
0.3237

■ 41.9119, 0.3659,
0.3222

Harmonies

Analogous

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



28.1516, 0.2880, 0.3856



28.1516, 0.2517, 0.3434



28.1516, 0.2321, 0.3001

Triad

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



28.1516, 0.2517, 0.3434



28.1516, 0.2880, 0.2611



28.1516, 0.3993, 0.3821

Complementary

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



28.1516, 0.2517, 0.3434



12.9310, 0.4452, 0.3166

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.



28.1516, 0.4007, 0.3475



28.1516, 0.2517, 0.3434



28.1516, 0.3336, 0.2808

Square

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



28.1516, 0.2517, 0.3434



28.1516, 0.2518, 0.2565



28.1516, 0.3760, 0.3115



28.1516, 0.3737, 0.4061

Rectangle

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



28.1516, 0.2517, 0.3434



28.1516, 0.2299, 0.2778



28.1516, 0.3760, 0.3115



28.1516, 0.4028, 0.3712

Sweetspot

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



28.1527, 0.2517, 0.3434



57.6783, 0.2907, 0.3329



26.8165, 0.3117, 0.4889



12.9002, 0.2883, 0.3334



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.



28.1527, 0.2517, 0.3434



49.8558, 0.2434, 0.3471



18.5858, 0.2339, 0.2653



7.4984, 0.3001, 0.3312



21.1700, 0.2329, 0.3585



0.3814, 0.2293, 0.3455

Inverse Universe

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



12.9310, 0.4452, 0.3166



19.1493, 0.4943, 0.3153



18.5492, 0.4284, 0.3828



6.6560, 0.3270, 0.3269



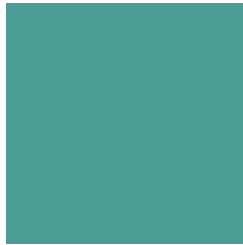
5.8530, 0.6261, 0.3223



0.1073, 0.5685, 0.2905

Previews

White Background



This preview shows how the Yxy color 28.1516, 0.2517, 0.3434 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 28.1516, 0.2517, 0.3434 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

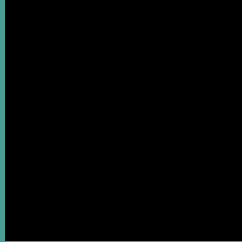
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 28.1516, 0.2517, 0.3434

Background



This preview shows how black text looks on a background with the Yxy color 28.1516, 0.2517, 0.3434.



This preview shows how white text looks on a background with the Yxy color 28.1516, 0.2517, 0.3434.

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

28.1516, 0.2517, 0.3434

Protanopia

27.7711, 0.3190, 0.3322

Deuteranopia

27.8616, 0.3127, 0.3073



Tritanopia

28.0192, 0.2425, 0.3063

Trichromacy



Original Color

28.1516, 0.2517, 0.3434

Protanomaly

27.2584, 0.2896, 0.3358

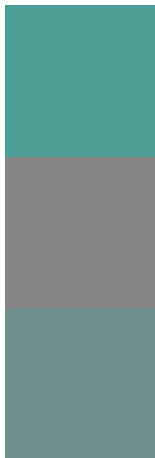
Deuteranomaly

27.5273, 0.2855, 0.3189

Tritanomaly

28.0124, 0.2461, 0.3200

Monochromacy



Original Color

28.1516, 0.2517, 0.3434

Achromatopsia

23.0740, 0.3127, 0.3290

Achromatomaly

24.2933, 0.2839, 0.3325

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.1516, 0.2517, 0.3434 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(75, 158, 150)` looks like.

```
.text, #text, p{  
    color:rgb(75, 158, 150)  
}
```

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(75, 158, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(75, 158, 150) }
```

Border

The CSS property to change the border of an element to Yxy 28.1516, 0.2517, 0.3434 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(75, 158, 150) }
```

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

```
.border{ border-color:rgb(75, 158, 150) }
```

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

Here you see how a box with a 4 pixel `rgb(75, 158, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(75, 158, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(75, 158, 150);  
box-shadow:4px 4px 4px 4px rgb(75, 158,  
150) }
```


Background

The CSS property to change the background color of an element to Yxy 28.1516, 0.2517, 0.3434 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(75, 158, 150) }
```

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

```
.background{ background-color: rgb(75, 158,  
150) }
```

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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