

Converting Colors

$Yxy(32.0472, 0.2700, 0.3568)$

Have a look what the booklet for
Yxy(32.0472, 0.2700, 0.3568)
contains.

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Color

Yxy(32.1517, 0.2707, 0.3579)

Conversions

Conversions Part 1

Format	Color
Hex	64A695
RGB	100, 166, 149
RGB Percent	39%, 65%, 58%
CMY	0.6078, 0.3490, 0.4156
CMYK	0.40, 0.00, 0.10, 0.35
HSL	165°, 27%, 52%
HSV	165°, 40%, 65%
XYZ	24.3181, 32.1517, 33.3645
YIQ	144.3280, -33.8790, -19.2790

Conversions

Conversions Part 2

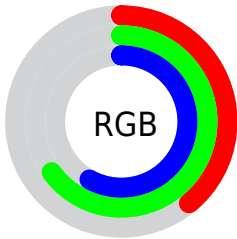
Format	Color
RYB	100, 138, 166
Decimal	6596245
CIELab	63.47, -25.11, 2.18
CIElCh	63, 25.209, 175.043
Yxy	32.1517, 0.2707, 0.3579
Android (android.graphics.Color)	4284786325 (0xFF64A695)
YUV	144.3280, 2.3033, -38.8757
Hunter-Lab	56.7025, -22.6755, 4.8047

Details

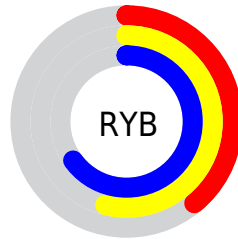
The Yxy color **32.1517, 0.2707, 0.3579** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **18.5074, 0.3841, 0.3026**, and the grayscale version is **28.0315, 0.3127, 0.3290**.

A 20% lighter version of the original color is **62.8947, 0.2793, 0.3516**, and **13.5208, 0.2568, 0.3696** is the 20% darker color. If you saturate the color by 10%, you get **31.1668, 0.2627, 0.3666**, and if you desaturate by 10%, it is **33.3371, 0.2800, 0.3497**.

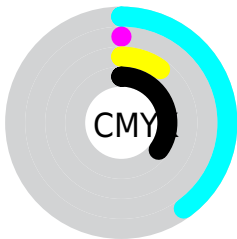
Distribution



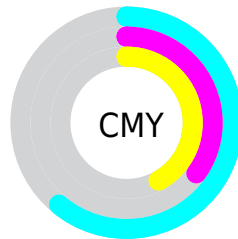
- Red (39%)
- Green (65%)
- Blue (58%)



- Red (39%)
- Yellow (54%)
- Blue (65%)



- Cyan (40%)
- Magenta (0%)
- Yellow (10%)
- Black (35%)





- Cyan (61%)
- Magenta (35%)
- Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 32.1517, 0.2707, 0.3579 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 32.1517, 0.2707, 0.3579 by changing the saturation by 10% instead.


 32.1517, 0.2707,
0.3579


 32.1517, 0.2707,
0.3579


311.8097, 0.2930,
0.3424


 21.4774, 0.2647,
0.3621


 63.0488, 0.2791,
0.3520


 13.4734, 0.2566,
0.3679


 84.0404, 0.2822,
0.3499

 7.7553, 0.2453,
0.3759


 109.2400, 0.2848,
0.3481

 3.9388, 0.2285,
0.3882

 139.0318, 0.2869,
0.3466

 1.6394, 0.2006,
0.4090

173.8002, 0.2888,
0.3453

 0.3839, 0.0000,
0.5910

213.9298, 0.2904,

 0.0000, 0.0000,

0.3442

0.0000

259.8048, 0.2918,
0.3433

■ 32.1517, 0.2707,
0.3579

■ 32.1517, 0.2707,
0.3579

■ 31.1668, 0.2627,
0.3666

■ 33.3371, 0.2800,
0.3497

■ 30.3666, 0.2562,
0.3757

■ 34.7298, 0.2904,
0.3421

■ 29.7394, 0.2514,
0.3850


■ 36.3414, 0.3015,
0.3352

■ 29.2701, 0.2486,
0.3945


■ 38.1811, 0.3130,
0.3289


■ 28.9414, 0.2477,
0.4040

■ 40.2578, 0.3248,
0.3232

 28.7150, 0.2482,
0.4134

 42.5798, 0.3366,
0.3181

 28.7097, 0.2482,
0.4137

 45.1551, 0.3483,
0.3136

 47.9914, 0.3597,
0.3097

 51.0957, 0.3708,
0.3063

Harmonies

Analogous

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



32.1517, 0.3071, 0.3894



32.1517, 0.2707, 0.3579



32.1517, 0.2464, 0.3188

Triad

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



32.1517, 0.2707, 0.3579



32.1517, 0.2763, 0.2652



32.1517, 0.3923, 0.3646

Complementary

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



32.1517, 0.2707, 0.3579



18.5074, 0.3841, 0.3026

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.



32.1517, 0.3836, 0.3325



32.1517, 0.2707, 0.3579



32.1517, 0.3144, 0.2775

Square

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



32.1517, 0.2707, 0.3579



32.1517, 0.2496, 0.2676



32.1517, 0.3543, 0.3015



32.1517, 0.3781, 0.3903

Rectangle

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



32.1517, 0.2707, 0.3579



32.1517, 0.2395, 0.2957



32.1517, 0.3543, 0.3015



32.1517, 0.3920, 0.3542

Sweetspot

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



32.1530, 0.2707, 0.3579



65.1955, 0.2987, 0.3368



32.0170, 0.3227, 0.4423



14.5064, 0.2973, 0.3377



84.8088, 0.3127, 0.3290



15.4872, 0.3127, 0.3290

Same Dimension

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



32.1530, 0.2707, 0.3579



56.7050, 0.2633, 0.3658



27.4686, 0.2550, 0.3026



8.4986, 0.3020, 0.3349



22.2707, 0.2480, 0.4128



0.5495, 0.2394, 0.3817

Inverse Universe

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



18.5074, 0.3841, 0.3026



28.3374, 0.4097, 0.2968



21.3819, 0.4001, 0.3534



7.5728, 0.3247, 0.3232



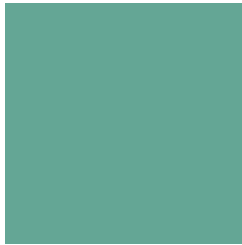
6.4269, 0.5865, 0.3005



0.1645, 0.4967, 0.2510

Previews

White Background



This preview shows how the Yxy color 32.1517, 0.2707, 0.3579 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 32.1517, 0.2707, 0.3579 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

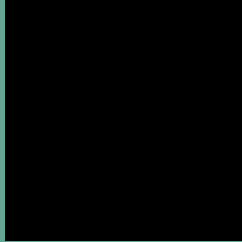
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 32.1517, 0.2707, 0.3579

Background



This preview shows how black text looks on a background with the Yxy color 32.1517, 0.2707, 0.3579.

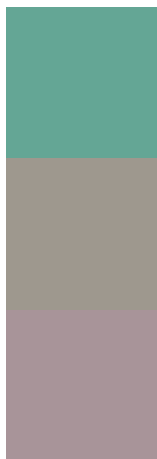


This preview shows how white text looks on a background with the Yxy color 32.1517, 0.2707, 0.3579.

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

32.1517, 0.2707, 0.3579

Protanopia

31.6786, 0.3284, 0.3443

Deuteranopia

31.8045, 0.3286, 0.3217



Tritanopia

32.0616, 0.2566, 0.3079

Trichromacy



Original Color

32.1517, 0.2707, 0.3579

Protanomaly

31.4766, 0.3041, 0.3483

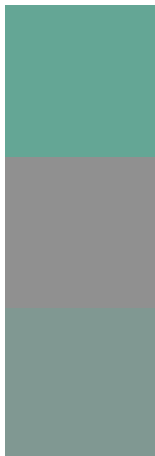
Deuteranomaly

31.5493, 0.3037, 0.3337

Tritanomaly

31.8906, 0.2609, 0.3239

Monochromacy



Original Color

32.1517, 0.2707, 0.3579

Achromatopsia

27.8894, 0.3127, 0.3290

Achromatomaly

29.1210, 0.2947, 0.3389

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.1517, 0.2707, 0.3579 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(100, 166, 149)` looks like.

```
.text, #text, p{  
    color:rgb(100, 166, 149)  
}
```

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(100, 166, 149) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 166, 149) }
```

Border

The CSS property to change the border of an element to Yxy 32.1517, 0.2707, 0.3579 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(100, 166, 149) }
```

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

```
.border{ border-color:rgb(100, 166, 149) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 166, 149)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 166, 149); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 166, 149);  
box-shadow:4px 4px 4px 4px rgb(100, 166,  
149) }
```


Background

The CSS property to change the background color of an element to Yxy 32.1517, 0.2707, 0.3579 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 166, 149) }
```

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

```
.background{ background-color: rgb(100,  
166, 149) }
```

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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