

Converting Colors

$Y_{xy}(32.6214, 0.2602, 0.3582)$

Have a look what the booklet for
Yxy(32.6214, 0.2602, 0.3582)
contains.

Yxy(32.6214, 0.2602, 0.3582)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(32.6214, 0.2602, 0.3582)

Conversions

Conversions Part 1

Format	Color
Hex	56A998
RGB	86, 169, 152
RGB Percent	34%, 66%, 60%
CMY	0.6625, 0.3373, 0.4039
CMYK	0.49, 0.00, 0.10, 0.34
HSL	168°, 33%, 50%
HSV	168°, 49%, 66%
XYZ	23.6965, 32.6214, 34.7524
YIQ	142.2450, -44.0110, -22.8830

Conversions

Conversions Part 2

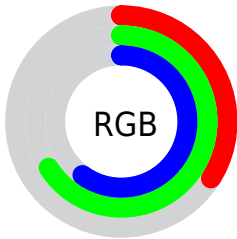
Format	Color
RYB	86, 132, 169
Decimal	5679512
CIELab	63.85, -29.50, 1.00
CIElCh	64, 29.520, 178.063
Yxy	32.6214, 0.2602, 0.3582
Android (android.graphics.Color)	4283869592 (0xFF56A998)
YUV	142.2450, 4.8092, -49.3269
Hunter-Lab	57.1151, -25.8936, 3.9048

Details

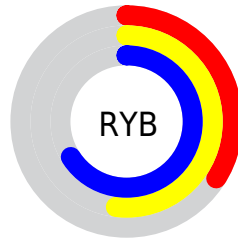
The Yxy color **32.6214, 0.2602, 0.3582** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **16.0790, 0.4178, 0.3033**, and the grayscale version is **27.1514, 0.3127, 0.3290**.

A 20% lighter version of the original color is **63.9694, 0.2707, 0.3531**, and **13.6500, 0.2429, 0.3675** is the 20% darker color. If you saturate the color by 10%, you get **31.8007, 0.2532, 0.3653**, and if you desaturate by 10%, it is **33.6377, 0.2688, 0.3514**.

Distribution



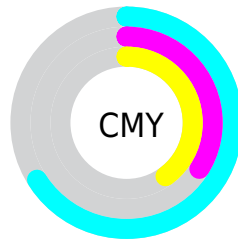
- Red (34%)
- Green (66%)
- Blue (60%)



- Red (34%)
- Yellow (52%)
- Blue (66%)



- Cyan (49%)
- Magenta (0%)
- Yellow (10%)
- Black (34%)




- Cyan (66%)
- Magenta (34%)
- Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 32.6214, 0.2602, 0.3582 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 32.6214, 0.2602, 0.3582 by changing the saturation by 10% instead.

 32.6214, 0.2602,
0.3582


 32.6214, 0.2602,
0.3582


313.9403, 0.2879,
0.3427


 21.8366, 0.2528,
0.3624


 63.7840, 0.2706,
0.3523


 13.7369, 0.2429,
0.3679


 84.9305, 0.2744,
0.3502

 7.9379, 0.2293,
0.3757


 110.2998, 0.2776,
0.3484

 4.0552, 0.2091,
0.3873

 140.2761, 0.2803,
0.3469

 1.7045, 0.1759,
0.4066

175.2439, 0.2826,
0.3457

 0.4266, 0.0000,
0.5194

215.5876, 0.2846,

 0.0000, 0.0000,

0.3445

0.0000

261.6916, 0.2864,
0.3436

■ 32.6214, 0.2602,
0.3582

■ 32.6214, 0.2602,
0.3582

■ 31.8007, 0.2532,
0.3653

■ 33.6377, 0.2688,
0.3514

■ 31.1582, 0.2479,
0.3726

■ 34.8579, 0.2788,
0.3450

■ 30.6796, 0.2445,
0.3800


■ 36.2947, 0.2898,
0.3390

■ 30.3470, 0.2431,
0.3874


■ 37.9584, 0.3016,
0.3336

■ 30.1252, 0.2431,
0.3947

■ 39.8588, 0.3139,
0.3286

 30.1062, 0.2432,
0.3954

 42.0051, 0.3264,
0.3241

 44.4059, 0.3391,
0.3201

 47.0696, 0.3516,
0.3165

 50.0038, 0.3639,
0.3134

Harmonies

Analogous

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



32.6214, 0.3011, 0.3974



32.6214, 0.2602, 0.3582



32.6214, 0.2343, 0.3122

Triad

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



32.6214, 0.2602, 0.3582



32.6214, 0.2743, 0.2563



32.6214, 0.4049, 0.3729

Complementary

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



32.6214, 0.2602, 0.3582



16.0790, 0.4178, 0.3033

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.



32.6214, 0.3977, 0.3362



32.6214, 0.2602, 0.3582



32.6214, 0.3192, 0.2720

Square

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



32.6214, 0.2602, 0.3582



32.6214, 0.2421, 0.2570



32.6214, 0.3654, 0.3004



32.6214, 0.3855, 0.4021

Rectangle

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



32.6214, 0.2602, 0.3582



32.6214, 0.2279, 0.2862



32.6214, 0.3654, 0.3004



32.6214, 0.4056, 0.3610

Sweetspot

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



32.6227, 0.2602, 0.3582



66.0913, 0.2942, 0.3369



31.9920, 0.3201, 0.4745



14.2782, 0.2918, 0.3380



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.



32.6227, 0.2602, 0.3582



56.8297, 0.2526, 0.3660



25.2481, 0.2417, 0.2877



8.5053, 0.3013, 0.3337



22.4467, 0.2430, 0.3946



0.5526, 0.2362, 0.3704

Inverse Universe

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



16.0790, 0.4178, 0.3033



23.6753, 0.4566, 0.2992



20.1632, 0.4270, 0.3653



7.5665, 0.3255, 0.3244



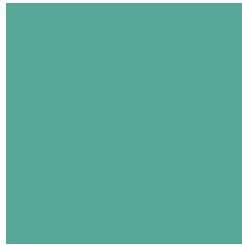
6.3819, 0.6024, 0.3092



0.1621, 0.5187, 0.2631

Previews

White Background



This preview shows how the Yxy color 32.6214, 0.2602, 0.3582 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 32.6214, 0.2602, 0.3582 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

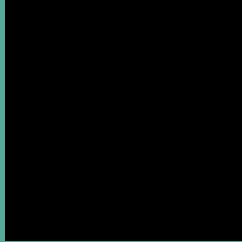
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 32.6214, 0.2602, 0.3582

Background



This preview shows how black text looks on a background with the Yxy color 32.6214, 0.2602, 0.3582.



This preview shows how white text looks on a background with the Yxy color 32.6214, 0.2602, 0.3582.

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

32.6214, 0.2602, 0.3582

Protanopia

32.1366, 0.3283, 0.3442

Deuteranopia

32.1107, 0.3245, 0.3188



Tritanopia

32.5043, 0.2472, 0.3077

Trichromacy



Original Color

32.6214, 0.2602, 0.3582

Protanomaly

31.7771, 0.2986, 0.3501

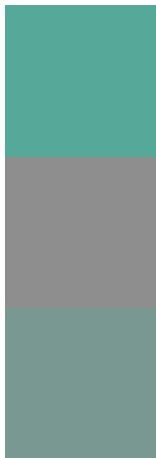
Deuteranomaly

31.5468, 0.2964, 0.3305

Tritanomaly

32.3612, 0.2513, 0.3238

Monochromacy



Original Color

32.6214, 0.2602, 0.3582

Achromatopsia

27.0498, 0.3127, 0.3290

Achromatomaly

28.6694, 0.2891, 0.3391

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.6214, 0.2602, 0.3582 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(86, 169, 152)` looks like.

```
.text, #text, p{  
    color:rgb(86, 169, 152)  
}
```

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(86, 169, 152) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 169, 152) }
```

Border

The CSS property to change the border of an element to Yxy 32.6214, 0.2602, 0.3582 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(86, 169, 152) }
```

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

```
.border{ border-color:rgb(86, 169, 152) }
```

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

Here you see how a box with a 4 pixel `rgb(86, 169, 152)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(86, 169, 152); -webkit-box-  
shadow:4px 4px 4px 4px rgb(86, 169, 152);  
box-shadow:4px 4px 4px 4px rgb(86, 169,  
152) }
```


Background

The CSS property to change the background color of an element to Yxy 32.6214, 0.2602, 0.3582 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(86, 169, 152) }
```

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

```
.background{ background-color: rgb(86, 169,  
152) }
```

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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