

Converting Colors

$Yxy(32.3277, 0.2641, 0.4005)$

Have a look what the booklet for
Yxy(32.3277, 0.2641, 0.4005)
contains.

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Color

Yxy(32.4362, 0.2646, 0.4016)

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 45AC84 |
| RGB | 69, 172, 132 |
| RGB Percent | 27%, 67%, 52% |
| CMY | 0.7294, 0.3255, 0.4824 |
| CMYK | 0.60, 0.00, 0.23, 0.33 |
| HSL | 157°, 43%, 47% |
| HSV | 157°, 60%, 67% |
| XYZ | 21.3711, 32.4362, 26.9602 |
| YIQ | 136.6430, -48.5480, -34.2760 |

Conversions

Conversions Part 2

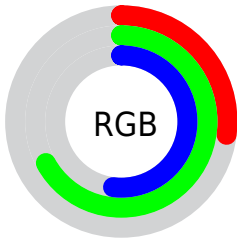
| Format | Color |
|-------------------------------------|--------------------------------|
| RYB | 69, 133, 172 |
| Decimal | 4566148 |
| CIELab | 63.70, -39.50, 11.83 |
| CIELCh | 64, 41.234, 163.330 |
| Yxy | 32.4362, 0.2646, 0.4016 |
| Android (android.graphics.Color) | 4282756228 (0xFF45AC84) |
| YUV | 136.6430, -2.2890, -59.3229 |
| Hunter-Lab | 56.9528, -32.6867, 11.8004 |

Details

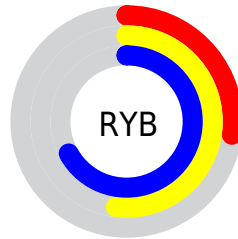
The Yxy color **32.4362, 0.2646, 0.4016** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **14.1323, 0.4206, 0.2713**, and the grayscale version is **24.8976, 0.3127, 0.3290**.

A 20% lighter version of the original color is **63.4252, 0.2745, 0.3860**, and **13.8028, 0.2526, 0.4294** is the 20% darker color. If you saturate the color by 10%, you get **31.7199, 0.2610, 0.4164**, and if you desaturate by 10%, it is **33.3491, 0.2700, 0.3873**.

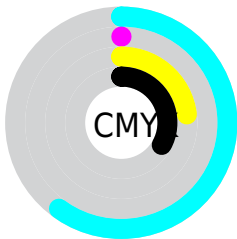
Distribution



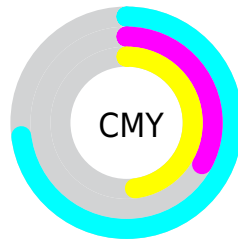
- Red (27%)
- Green (67%)
- Blue (52%)



- Red (27%)
- Yellow (52%)
- Blue (67%)



- Cyan (60%)
- Magenta (0%)
- Yellow (23%)
- Black (33%)




- Cyan (73%)
- Magenta (33%)
- Yellow (48%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 32.4362, 0.2646, 0.4016 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 32.4362, 0.2646, 0.4016 by changing the saturation by 10% instead.


 32.4362, 0.2646,
0.4016


 32.4362, 0.2646,
0.4016

313.1015, 0.2908,
0.3614

 21.6949, 0.2572,
0.4131


 63.4943, 0.2747,
0.3860


 13.6329, 0.2473,
0.4289


 84.5799, 0.2783,
0.3804


 7.8658, 0.2330,
0.4519


 109.8823, 0.2813,
0.3759

 4.0092, 0.2111,
0.4881

 139.7860, 0.2838,
0.3720

 1.6787, 0.1602,
0.5632

 174.6754, 0.2860,
0.3688

 0.4098, 0.0000,
1.0000

214.9349, 0.2878,

 0.0000, 0.0000,

0.3660

0.0000

260.9488, 0.2894,
0.3636

■ 32.4362, 0.2646,
0.4016

■ 32.4362, 0.2646,
0.4016

■ 31.7199, 0.2610,
0.4164

■ 33.3491, 0.2700,
0.3873

■ 31.1798, 0.2593,
0.4313

■ 34.4693, 0.2768,
0.3737

■ 30.7980, 0.2595,
0.4462

■ 35.8111, 0.2848,
0.3610

■ 30.5331, 0.2613,
0.4608

■ 37.3866, 0.2936,
0.3492

■ 30.5302, 0.2614,
0.4609

■ 39.2068, 0.3031,
0.3385

■ 41.2822, 0.3128,
0.3289

■ 43.6225, 0.3227,
0.3203

■ 46.2370, 0.3325,
0.3126

■ 49.1345, 0.3422,
0.3059

Harmonies

Analogous

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



32.4362, 0.3258, 0.4435



32.4362, 0.2646, 0.4016



32.4362, 0.2193, 0.3349

Triad

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



32.4362, 0.2646, 0.4016



32.4362, 0.2355, 0.2283



32.4362, 0.4416, 0.3614

Complementary

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



32.4362, 0.2646, 0.4016



14.1323, 0.4206, 0.2713

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.



32.4362, 0.4135, 0.3123



32.4362, 0.2646, 0.4016



32.4362, 0.2887, 0.2396

Square

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



32.4362, 0.2646, 0.4016



32.4362, 0.2047, 0.2393



32.4362, 0.3549, 0.2694



32.4362, 0.4301, 0.4088

Rectangle

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



32.4362, 0.2646, 0.4016



32.4362, 0.2028, 0.2930



32.4362, 0.3549, 0.2694



32.4362, 0.4365, 0.3448

Sweetspot

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



32.4375, 0.2646, 0.4016



68.3069, 0.2951, 0.3475



33.2643, 0.3355, 0.5008



14.6552, 0.2925, 0.3507



86.8899, 0.3127, 0.3290



16.2647, 0.3127, 0.3290

Same Dimension

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



32.4375, 0.2646, 0.4016



57.1734, 0.2602, 0.4215



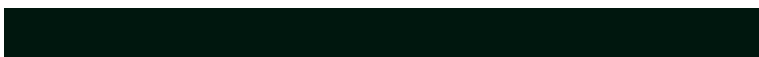
29.9805, 0.2363, 0.3111



9.0186, 0.3036, 0.3380



22.7293, 0.2610, 0.4594



0.6426, 0.2487, 0.4151

Inverse Universe

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



14.1323, 0.4206, 0.2713



20.9437, 0.4602, 0.2650



14.8367, 0.4847, 0.3440



8.0649, 0.3228, 0.3202



6.8369, 0.5386, 0.2741



0.2011, 0.4579, 0.2296

Previews

White Background



This preview shows how the Yxy color 32.4362, 0.2646, 0.4016 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 32.4362, 0.2646, 0.4016 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 32.4362, 0.2646, 0.4016

Background



This preview shows how black text looks on a background with the Yxy color 32.4362, 0.2646, 0.4016.

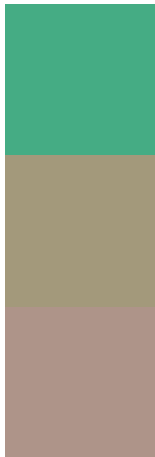


This preview shows how white text looks on a background with the Yxy color 32.4362, 0.2646, 0.4016.

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

32.4362, 0.2646, 0.4016

Protanopia

31.9991, 0.3521, 0.3747

Deuteranopia

31.9846, 0.3514, 0.3451



Tritanopia

32.4584, 0.2418, 0.3075

Trichromacy



Original Color

32.4362, 0.2646, 0.4016

Protanomaly

31.3151, 0.3129, 0.3859

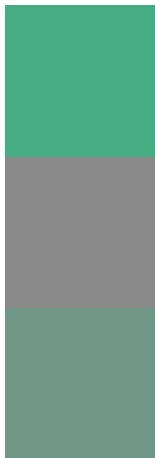
Deuteranomaly

31.0975, 0.3120, 0.3650

Tritanomaly

32.2762, 0.2495, 0.3391

Monochromacy



Original Color

32.4362, 0.2646, 0.4016

Achromatopsia

25.0158, 0.3127, 0.3290

Achromatomaly

27.0067, 0.2892, 0.3556

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.4362, 0.2646, 0.4016 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(69, 172, 132)` looks like.

```
.text, #text, p{  
    color:rgb(69, 172, 132)  
}
```

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(69, 172, 132) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(69, 172, 132) }
```

Border

The CSS property to change the border of an element to Yxy 32.4362, 0.2646, 0.4016 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(69, 172, 132) }
```

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

```
.border{ border-color:rgb(69, 172, 132) }
```

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

Here you see how a box with a 4 pixel rgb(69, 172, 132) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(69, 172, 132); -webkit-box-  
shadow:4px 4px 4px 4px rgb(69, 172, 132);  
box-shadow:4px 4px 4px 4px rgb(69, 172,  
132) }
```


Background

The CSS property to change the background color of an element to Yxy 32.4362, 0.2646, 0.4016 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(69, 172, 132) }
```

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

```
.background{ background-color: rgb(69, 172,  
132) }
```

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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