

Converting Colors

$Y_{xy}(32.9693, 0.2967, 0.5596)$

Have a look what the booklet for
Yxy(32.9693, 0.2967, 0.5596)
contains.

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Color

Yxy(32.8456, 0.2968, 0.5595)

Conversions

Conversions Part 1

Format	Color
Hex	24B332
RGB	36, 179, 50
RGB Percent	14%, 70%, 20%
CMY	0.8587, 0.2980, 0.8040
CMYK	0.80, 0.00, 0.72, 0.30
HSL	126°, 66%, 42%
HSV	126°, 80%, 70%
XYZ	17.4237, 32.8456, 8.4359
YIQ	121.5370, -43.8190, -70.4350

Conversions

Conversions Part 2

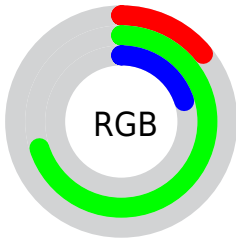
Format	Color
RYB	36, 166, 179
Decimal	2405170
CIELab	64.04, -60.95, 52.73
CIELCh	64, 80.592, 139.134
Yxy	32.8456, 0.2968, 0.5595
Android (android.graphics.Color)	4280595250 (0xFF24B332)
YUV	121.5370, -35.2677, -75.0159
Hunter-Lab	57.3111, -46.0268, 31.3905

Details

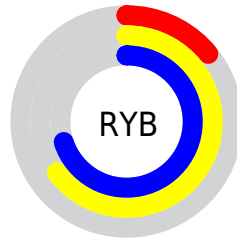
The Yxy color **32.8456, 0.2968, 0.5595** is a dark color, and the websafe version is hex **009900**. A complement of this color would be **13.5664, 0.3403, 0.1774**, and the grayscale version is **19.4338, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.1162, 0.3057, 0.5084**, and **14.6672, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **32.4856, 0.2973, 0.5797**, and if you desaturate by 10%, it is **33.4185, 0.2971, 0.5331**.

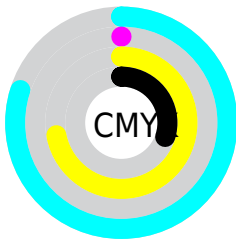
Distribution



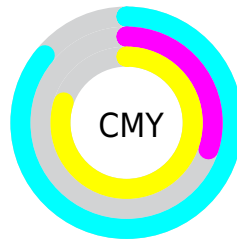
- Red (14%)
- Green (70%)
- Blue (20%)



- Red (14%)
- Yellow (65%)
- Blue (70%)



- Cyan (80%)
- Magenta (0%)
- Yellow (72%)
- Black (30%)




- Cyan (86%)
- Magenta (30%)
- Yellow (80%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 32.8456, 0.2968, 0.5595 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 32.8456, 0.2968, 0.5595 by changing the saturation by 10% instead.


 32.8456, 0.2968,
0.5595

 32.8456, 0.2968,
0.5595


314.9534, 0.3140,
0.4286


 22.0082, 0.2880,
0.5960


 64.1344, 0.3060,
0.5086


 13.8629, 0.2734,
0.6438


 85.3546, 0.3085,
0.4904


 8.0254, 0.2502,
0.7129


 110.8045, 0.3103,
0.4755

 4.1112, 0.2046,
0.7954

 140.8685, 0.3115,
0.4630

 1.7360, 0.0000,
1.0000

 175.9310, 0.3124,
0.4524

 0.4468, 0.0000,
1.0000

 216.3764, 0.3131,

 0.0000, 0.0000,

0.4433

0.0000

262.5891, 0.3136,
0.4355

■ 32.8456, 0.2968,
0.5595

■ 32.8456, 0.2968,
0.5595

■ 32.4856, 0.2973,
0.5797

■ 33.4185, 0.2971,
0.5331

■ 32.2853, 0.2981,
0.5929

■ 34.2261, 0.2982,
0.5025

■ 32.2832, 0.2981,
0.5931

■ 35.2917, 0.3000,
0.4698

■ 36.6349, 0.3023,
0.4372

■ 38.2733, 0.3048,
0.4060

■ 40.2232, 0.3075,
0.3773

■ 42.4994, 0.3102,
0.3515

■ 45.1161, 0.3127,
0.3287

■ 48.0864, 0.3152,
0.3088

Harmonies

Analogous

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



32.8456, 0.4053, 0.5416



32.8456, 0.2968, 0.5595



32.8456, 0.1975, 0.4541

Triad

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



32.8456, 0.2968, 0.5595



32.8456, 0.1367, 0.1647



32.8456, 0.5232, 0.3026

Complementary

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



32.8456, 0.2968, 0.5595



13.5664, 0.3403, 0.1774

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.



32.8456, 0.4150, 0.2350



32.8456, 0.2968, 0.5595



32.8456, 0.1896, 0.1599

Square

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



32.8456, 0.2968, 0.5595



32.8456, 0.1194, 0.2066



32.8456, 0.2855, 0.1844



32.8456, 0.5504, 0.3780

Rectangle

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



32.8456, 0.2968, 0.5595



32.8456, 0.1517, 0.3505



32.8456, 0.2855, 0.1844



32.8456, 0.4942, 0.2790

Sweetspot

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



32.8470, 0.2968, 0.5595



70.3820, 0.3063, 0.3900



40.5939, 0.4010, 0.5025



15.3261, 0.3054, 0.4002



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290

Same Dimension

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



32.8470, 0.2968, 0.5595



57.9003, 0.2981, 0.5904



33.9592, 0.2616, 0.4396



9.5031, 0.3103, 0.3502



22.8167, 0.2978, 0.5920



0.7223, 0.2894, 0.5618

Inverse Universe

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



13.5664, 0.3403, 0.1774



22.0349, 0.3462, 0.1693



11.6849, 0.4726, 0.2591



8.6322, 0.3152, 0.3087



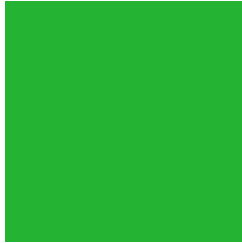
8.6095, 0.3467, 0.1683



0.2750, 0.3387, 0.1639

Previews

White Background



This preview shows how the Yxy color 32.8456, 0.2968, 0.5595 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 32.8456, 0.2968, 0.5595 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 32.8456, 0.2968, 0.5595

Background



This preview shows how black text looks on a background with the Yxy color 32.8456, 0.2968, 0.5595.



This preview shows how white text looks on a background with the Yxy color 32.8456, 0.2968, 0.5595.

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

32.8456, 0.2968, 0.5595

Protanopia

32.1773, 0.4271, 0.4699

Deuteranopia

31.9819, 0.4432, 0.4344



Tritanopia

32.6791, 0.2384, 0.3059

Trichromacy



Original Color

32.8456, 0.2968, 0.5595



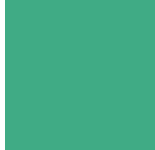
Protanomaly

30.6026, 0.3644, 0.5126



Deuteranomaly

29.9101, 0.3740, 0.4867



Tritanomaly

31.9093, 0.2612, 0.3985

Monochromacy



Original Color

32.8456, 0.2968, 0.5595



Achromatopsia

19.4618, 0.3127, 0.3290



Achromatomaly

22.7136, 0.3034, 0.4241

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.8456, 0.2968, 0.5595 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(36, 179, 50)` looks like.

```
.text, #text, p{  
    color:rgb(36, 179, 50)  
}
```

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(36, 179, 50) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(36, 179, 50) }
```

Border

The CSS property to change the border of an element to Yxy 32.8456, 0.2968, 0.5595 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(36, 179, 50) }
```

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

```
.border{ border-color:rgb(36, 179, 50) }
```

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

Here you see how a box with a 4 pixel `rgb(36, 179, 50)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(36, 179, 50); -webkit-box-  
shadow:4px 4px 4px 4px rgb(36, 179, 50);  
box-shadow:4px 4px 4px 4px rgb(36, 179,  
50) }
```


Background

The CSS property to change the background color of an element to Yxy 32.8456, 0.2968, 0.5595 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(36, 179, 50) }
```

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

```
.background{ background-color: rgb(36, 179,  
50) }
```

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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