

Converting Colors

$Y_{xy}(20.5103, 0.3046, 0.5964)$

Have a look what the booklet for
Yxy(20.5103, 0.3046, 0.5964)
contains.

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Color

Yxy(20.3995, 0.3045, 0.5964)

Conversions

Conversions Part 1

Format	Color
Hex	149100
RGB	20, 145, 0
RGB Percent	8%, 57%, 0%
CMY	0.9213, 0.4314, 0.9998
CMYK	0.86, 0.00, 1.00, 0.43
HSL	112°, 100%, 28%
HSV	112°, 100%, 57%
XYZ	10.4152, 20.3995, 3.3897
YIQ	91.0950, -27.9550, -71.5950

Conversions

Conversions Part 2

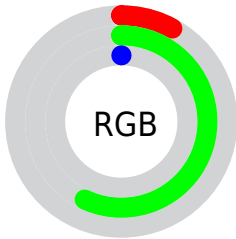
Format	Color
RYB	0, 145, 125
Decimal	1347840
CIELab	52.29, -55.07, 54.82
CIELCh	52, 77.703, 135.131
Yxy	20.3995, 0.3045, 0.5964
Android (android.graphics.Color)	4279537920 (0xFF149100)
YUV	91.0950, -44.9098, -62.3503
Hunter-Lab	45.1658, -37.8780, 27.1664

Details

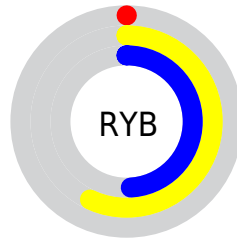
The Yxy color **20.3995, 0.3045, 0.5964** is a dark color, and the websafe version is hex **009900**. A complement of this color would be **6.4031, 0.2869, 0.1354**, and the grayscale version is **10.6006, 0.3127, 0.3290**.

A 20% lighter version of the original color is **44.0531, 0.3164, 0.5317**, and **7.8287, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **20.3998, 0.3045, 0.5964**, and if you desaturate by 10%, it is **20.6003, 0.3069, 0.5842**.

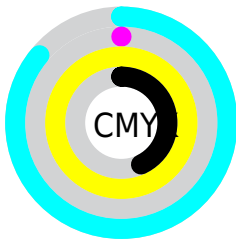
Distribution



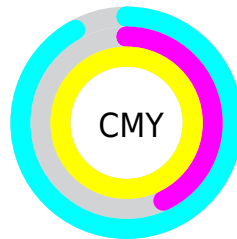
- Red (8%)
- Green (57%)
- Blue (0%)



- Red (0%)
- Yellow (57%)
- Blue (49%)



- Cyan (86%)
- Magenta (0%)
- Yellow (100%)
- Black (43%)





- Cyan (92%)
- Magenta (43%)
- Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.3995, 0.3045, 0.5964 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 20.3995, 0.3045, 0.5964 by changing the saturation by 10% instead.


 20.3995, 0.3045,
0.5964


 20.3995, 0.3045,
0.5964


254.0697, 0.3219,
0.4359


 12.6858, 0.2910,
0.6432


 44.0860, 0.3163,
0.5319

 7.2125, 0.2727,
0.7214


 60.8275, 0.3188,
0.5094


 3.5954, 0.2194,
0.7806

 81.3471, 0.3203,
0.4912

 1.4499, 0.0000,
1.0000

 106.0291, 0.3212,
0.4761


 0.2531, 0.0000,
1.0000


 135.2580, 0.3216,
0.4636

 0.0000, 0.0000,
0.0000


 169.4181, 0.3219,

0.4529


 208.8939, 0.3219,
0.4438


 20.3995, 0.3045,
0.5964


 20.3995, 0.3045,
0.5964


 20.3998, 0.3045,
0.5964

 20.6003, 0.3069,
0.5842

 20.8992, 0.3096,
0.5659

 21.3158, 0.3119,
0.5408

 21.8612, 0.3135,
0.5107

 22.5448, 0.3146,
0.4778

■ 23.3756, 0.3150,
0.4443

■ 24.3613, 0.3149,
0.4117

■ 25.5094, 0.3144,
0.3813

■ 26.8268, 0.3137,
0.3537

Harmonies

Analogous

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



20.3995, 0.4217, 0.5497



20.3995, 0.3045, 0.5964



20.3995, 0.1947, 0.4958

Triad

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



20.3995, 0.3045, 0.5964



20.3995, 0.1175, 0.1526



20.3995, 0.5373, 0.2861

Complementary

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



20.3995, 0.3045, 0.5964



6.4031, 0.2869, 0.1354

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.



20.3995, 0.4068, 0.2164



20.3995, 0.3045, 0.5964



20.3995, 0.1673, 0.1441

Square

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



20.3995, 0.3045, 0.5964



20.3995, 0.1034, 0.2018



20.3995, 0.2642, 0.1662



20.3995, 0.5768, 0.3635

Rectangle

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



20.3995, 0.3045, 0.5964



20.3995, 0.1423, 0.3740



20.3995, 0.2642, 0.1662



20.3995, 0.5010, 0.2617

Sweetspot

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



20.4004, 0.3045, 0.5964



43.5025, 0.3149, 0.4138



20.2496, 0.4478, 0.4826



9.5246, 0.3150, 0.4259



72.9347, 0.3127, 0.3290



11.2805, 0.3127, 0.3290

Same Dimension

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



20.4004, 0.3045, 0.5964



36.4869, 0.3037, 0.5970



20.4881, 0.2843, 0.5434



6.0629, 0.3136, 0.3516



17.5050, 0.3047, 0.5962



0.1729, 0.3236, 0.5812

Inverse Universe

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



6.4031, 0.2869, 0.1354



11.4081, 0.2862, 0.1350



6.8337, 0.4312, 0.2149



5.4738, 0.3117, 0.3072



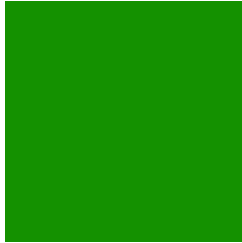
5.4991, 0.2871, 0.1355



0.0593, 0.3048, 0.1453

Previews

White Background



This preview shows how the Yxy color 20.3995, 0.3045, 0.5964 looks on a white background.

Color Contrast Check

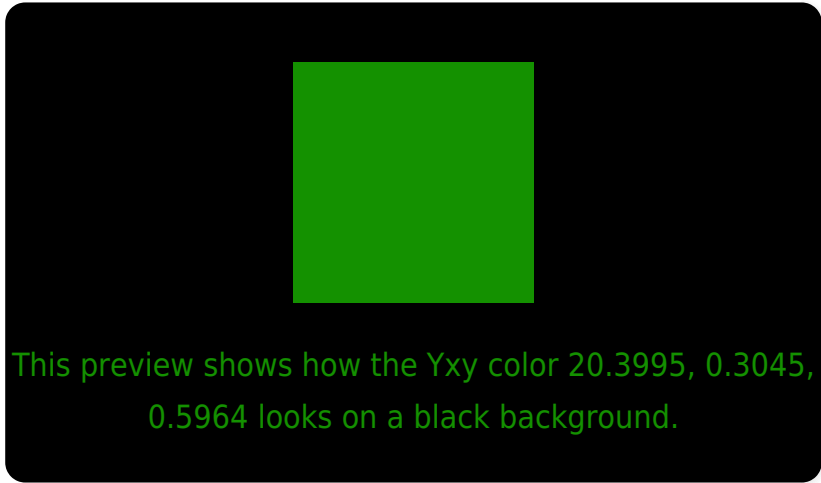
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



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 20.3995, 0.3045, 0.5964

Background



This preview shows how black text looks on a background with the Yxy color 20.3995, 0.3045, 0.5964.



This preview shows how white text looks on a background with the Yxy color 20.3995, 0.3045, 0.5964.

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

20.3995, 0.3045, 0.5964

Protanopia

19.9908, 0.4404, 0.4885

Deuteranopia

20.1237, 0.4576, 0.4506



Tritanopia

20.4600, 0.2385, 0.3069

Trichromacy



Original Color

20.3995, 0.3045, 0.5964



Protanomaly

18.9893, 0.3731, 0.5419



Deuteranomaly

18.6146, 0.3859, 0.5164



Tritanomaly

19.8599, 0.2705, 0.4338

Monochromacy



Original Color

20.3995, 0.3045, 0.5964



Achromatopsia

10.4616, 0.3127, 0.3290



Achromatomaly

12.7982, 0.3144, 0.4663

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.3995, 0.3045, 0.5964 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(20, 145, 0)` looks like.

```
.text, #text, p{  
    color:rgb(20, 145, 0)  
}
```

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(20, 145, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(20, 145, 0) }
```

Border

The CSS property to change the border of an element to Yxy 20.3995, 0.3045, 0.5964 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(20, 145, 0) }
```

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

```
.border{ border-color:rgb(20, 145, 0) }
```

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

Here you see how a box with a 4 pixel rgb(20, 145, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(20, 145, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(20, 145, 0);  
box-shadow:4px 4px 4px 4px rgb(20, 145, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 20.3995, 0.3045, 0.5964 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(20, 145, 0) }
```

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

```
.background{ background-color: rgb(20, 145,  
0) }
```

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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