

Converting Colors

$Y_{xy}(20.3391, 0.4113, 0.5085)$

Have a look what the booklet for
Yxy(20.3391, 0.4113, 0.5085)
contains.

Yxy(20.3362, 0.4116, 0.5083)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(20.3362, 0.4116, 0.5083)

Conversions

Conversions Part 1

Format	Color
Hex	7D8205
RGB	125, 130, 5
RGB Percent	49%, 51%, 2%
CMY	0.5098, 0.4902, 0.9798
CMYK	0.04, 0.00, 0.96, 0.49
HSL	62°, 92%, 26%
HSV	62°, 96%, 51%
XYZ	16.4674, 20.3362, 3.2047
YIQ	114.2550, 37.1450, -39.9350

Conversions

Conversions Part 2

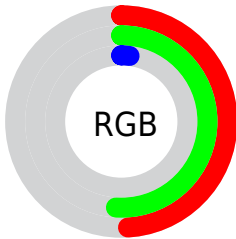
Format	Color
R_{YB}	5, 130, 10
Decimal	8225285
CIE Lab	52.22, -15.29, 55.86
CIE LCh	52, 57.917, 105.309
Yxy	20.3362, 0.4116, 0.5083
Android (android.graphics.Color)	4286415365 (0xFF7D8205)
YUV	114.2550, -53.8627, 9.4234
Hunter-Lab	45.0957, -13.7353, 27.3536

Details

The Yxy color **20.3362, 0.4116, 0.5083** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **1.7889, 0.1546, 0.0657**, and the grayscale version is **17.0695, 0.3127, 0.3290**.

A 20% lighter version of the original color is **44.1204, 0.3969, 0.4725**, and **7.2626, 0.4015, 0.5194** is the 20% darker color. If you saturate the color by 10%, you get **20.3104, 0.4126, 0.5106**, and if you desaturate by 10%, it is **20.4094, 0.4087, 0.5017**.

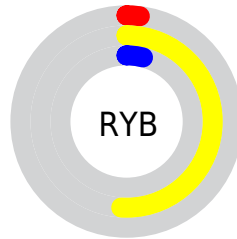
Distribution



Red (49%)

Green (51%)

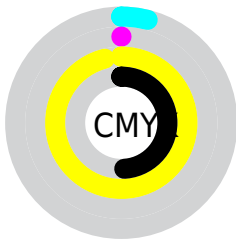
Blue (2%)



Red (2%)

Yellow (51%)

Blue (4%)

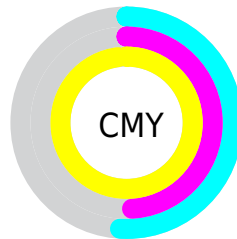


Cyan (4%)

Magenta (0%)

Yellow (96%)

Black (49%)



Cyan (51%)


Magenta (49%)

Yellow (98%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 20.3362, 0.4116, 0.5083 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 20.3362, 0.4116, 0.5083 by changing the saturation by 10% instead.


 20.3362, 0.4116,
0.5083


 20.3362, 0.4116,
0.5083


253.7294, 0.3646,
0.4106


 12.6397, 0.4182,
0.5313


 43.9801, 0.3971,
0.4726


 7.1809, 0.4304,
0.5696


 60.6963, 0.3907,
0.4590


 3.5755, 0.4151,
0.5849

 81.1878, 0.3849,
0.4475

 1.4391, 0.3884,
0.6116

 105.8391, 0.3798,
0.4378

 0.2452, 0.0000,
1.0000


 135.0345, 0.3753,
0.4295

 0.0000, 0.0000,
0.0000


 169.1584, 0.3713,


0.4223

 208.5952, 0.3678,
0.4161


 20.3362, 0.4116,
0.5083


 20.3362, 0.4116,
0.5083


 20.3104, 0.4126,
0.5106

 20.4094, 0.4087,
0.5017

 20.5045, 0.4037,
0.4914

 20.6275, 0.3962,
0.4772

 20.7814, 0.3865,
0.4593

 20.9688, 0.3750,
0.4385

■ 21.1919, 0.3622,
0.4156

■ 21.4529, 0.3486,
0.3916

■ 21.7538, 0.3347,
0.3672

■ 22.0963, 0.3209,
0.3431

Harmonies

Analogous

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



20.3362, 0.4875, 0.4432



20.3362, 0.4116, 0.5083



20.3362, 0.3167, 0.5239

Triad

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



20.3362, 0.4116, 0.5083



20.3362, 0.1417, 0.2333



20.3362, 0.3861, 0.2407

Complementary

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



20.3362, 0.4116, 0.5083



1.7889, 0.1546, 0.0657

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.



20.3362, 0.2780, 0.1974



20.3362, 0.4116, 0.5083



20.3362, 0.1532, 0.1880

Square

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



20.3362, 0.4116, 0.5083



20.3362, 0.1642, 0.3251



20.3362, 0.1976, 0.1786



20.3362, 0.4826, 0.3013

Rectangle

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



20.3362, 0.4116, 0.5083



20.3362, 0.2539, 0.4827



20.3362, 0.1976, 0.1786



20.3362, 0.3488, 0.2239

Sweetspot

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



20.3371, 0.4116, 0.5083



37.6039, 0.3536, 0.4003



4.9593, 0.6262, 0.3327



8.4745, 0.3585, 0.4089



65.5931, 0.3127, 0.3290



8.8982, 0.3127, 0.3290

Same Dimension

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



20.3371, 0.4116, 0.5083



35.7501, 0.4124, 0.5107



17.0479, 0.3358, 0.5675



5.0109, 0.3250, 0.3504



19.4739, 0.4126, 0.5106



0.0000, 0.0000, 0.0000

Inverse Universe

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



1.7889, 0.1546, 0.0657



2.8819, 0.1514, 0.0608



3.0909, 0.2160, 0.0991



4.2193, 0.2998, 0.3068



1.5784, 0.1519, 0.0611



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 20.3362, 0.4116, 0.5083 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



This preview shows how the Yxy color 20.3362, 0.4116, 0.5083 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

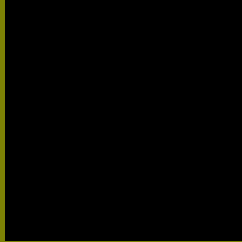
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.3362, 0.4116, 0.5083

Background



This preview shows how black text looks on a background with the Yxy color 20.3362, 0.4116, 0.5083.



This preview shows how white text looks on a background with the Yxy color 20.3362, 0.4116, 0.5083.

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

20.3362, 0.4116, 0.5083

Protanopia

20.3300, 0.4403, 0.4886

Deuteranopia

20.1791, 0.4640, 0.4563



Tritanopia

20.3548, 0.3184, 0.3131

Trichromacy



Original Color

20.3362, 0.4116, 0.5083

Protanomaly

20.3340, 0.4293, 0.4962

Deuteranomaly

19.9733, 0.4456, 0.4754

Tritanomaly

19.8965, 0.3672, 0.4013

Monochromacy



Original Color

20.3362, 0.4116, 0.5083

Achromatopsia

16.8269, 0.3127, 0.3290

Achromatomaly

17.7789, 0.3646, 0.4203

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.3362, 0.4116, 0.5083 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(125, 130, 5)` looks like.

```
.text, #text, p{  
    color:rgb(125, 130, 5)  
}
```

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(125, 130, 5) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(125, 130, 5) }
```

Border

The CSS property to change the border of an element to Yxy 20.3362, 0.4116, 0.5083 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(125, 130, 5) }
```

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

```
.border{ border-color:rgb(125, 130, 5) }
```

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

Here you see how a box with a 4 pixel `rgb(125, 130, 5)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(125, 130, 5); -webkit-box-  
shadow:4px 4px 4px 4px rgb(125, 130, 5);  
box-shadow:4px 4px 4px 4px rgb(125, 130,  
5) }
```


Background

The CSS property to change the background color of an element to Yxy 20.3362, 0.4116, 0.5083 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(125, 130, 5) }
```

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

```
.background{ background-color: rgb(125,  
130, 5) }
```

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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