

Converting Colors

$Y_{xy}(24.2117, 0.4165, 0.5006)$

Have a look what the booklet for
Yxy(24.2117, 0.4165, 0.5006)
contains.

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Color

Yxy(24.3633, 0.4164, 0.5004)

Conversions

Conversions Part 1

Format	Color
Hex	8C8C0E
RGB	140, 140, 14
RGB Percent	55%, 55%, 5%
CMY	0.4510, 0.4510, 0.9449
CMYK	0.00, 0.00, 0.90, 0.45
HSL	60°, 82%, 30%
HSV	60°, 90%, 55%
XYZ	20.2735, 24.3633, 4.0508
YIQ	125.6360, 40.4460, -39.1860

Conversions

Conversions Part 2

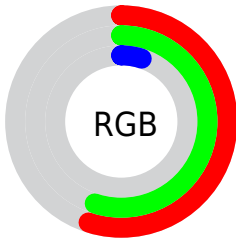
Format	Color
RYB	14, 140, 14
Decimal	9210894
CIELab	56.45, -13.54, 58.15
CIELCh	56, 59.702, 103.107
Yxy	24.3633, 0.4164, 0.5004
Android (android.graphics.Color)	4287400974 (0xFF8C8C0E)
YUV	125.6360, -55.0365, 12.5972
Hunter-Lab	49.3592, -13.0624, 29.6856

Details

The Yxy color **24.3633, 0.4164, 0.5004** is a dark color, and the websafe version is hex **999900**. A complement of this color would be **2.3027, 0.1568, 0.0711**, and the grayscale version is **20.9165, 0.3127, 0.3290**.

A 20% lighter version of the original color is **50.5182, 0.4015, 0.4677**, and **9.2908, 0.4121, 0.5110** is the 20% darker color. If you saturate the color by 10%, you get **24.3326, 0.4193, 0.5052**, and if you desaturate by 10%, it is **24.4168, 0.4117, 0.4927**.

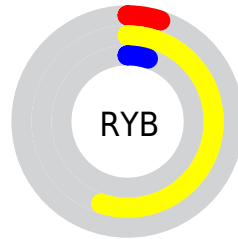
Distribution



Red (55%)

Green (55%)

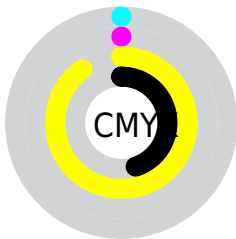
Blue (5%)



Red (5%)

Yellow (55%)

Blue (5%)

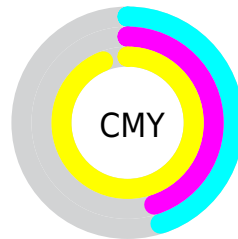


Cyan (0%)

Magenta (0%)

Yellow (90%)

Black (45%)



Cyan (45%)


Magenta (45%)


Yellow (94%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 24.3633, 0.4164, 0.5004 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 24.3633, 0.4164, 0.5004 by changing the saturation by 10% instead.


 24.3633, 0.4164,
0.5004


 24.3633, 0.4164,
0.5004

274.6521, 0.3677,
0.4102


 15.6033, 0.4240,
0.5208


 50.6224, 0.4012,
0.4682


 9.2439, 0.4327,
0.5479


 68.8903, 0.3945,
0.4557

 4.9006, 0.4301,
0.5699

 91.0964, 0.3886,
0.4451

 2.1891, 0.4119,
0.5881

 117.6249, 0.3834,
0.4360

 0.7140, 0.3278,
0.6722

 148.8604, 0.3787,
0.4282

 0.0000, 0.0000,
0.0000

 185.1871, 0.3746,

0.4214

■ 226.9896, 0.3709,
0.4154

■ 24.3633, 0.4164,
0.5004

■ 24.3633, 0.4164,
0.5004

■ 24.3326, 0.4193,
0.5052

■ 24.4168, 0.4117,
0.4927

■ 24.3325, 0.4193,
0.5053

■ 24.5004, 0.4046,
0.4809

■ 24.6190, 0.3951,
0.4652

■ 24.7759, 0.3835,
0.4461

■ 24.9741, 0.3704,
0.4244

■ 25.2162, 0.3563,
0.4011

■ 25.5045, 0.3417,
0.3769

■ 25.8413, 0.3270,
0.3526

■ 26.2287, 0.3127,
0.3289

Harmonies

Analogous

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



24.3633, 0.4877, 0.4363



24.3633, 0.4164, 0.5004



24.3633, 0.3244, 0.5195

Triad

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



24.3633, 0.4164, 0.5004



24.3633, 0.1460, 0.2411



24.3633, 0.3762, 0.2391

Complementary

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



24.3633, 0.4164, 0.5004



2.3027, 0.1568, 0.0711

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.



24.3633, 0.2722, 0.1982



24.3633, 0.4164, 0.5004



24.3633, 0.1549, 0.1934

Square

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



24.3633, 0.4164, 0.5004



24.3633, 0.1710, 0.3339



24.3633, 0.1960, 0.1816



24.3633, 0.4724, 0.2978

Rectangle

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



24.3633, 0.4164, 0.5004



24.3633, 0.2625, 0.4838



24.3633, 0.1960, 0.1816



24.3633, 0.3400, 0.2231

Sweetspot

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



24.3644, 0.4164, 0.5004



44.5677, 0.3528, 0.3953



5.9291, 0.6131, 0.3284



10.2370, 0.3571, 0.4024



71.0566, 0.3127, 0.3290



10.6539, 0.3127, 0.3290

Same Dimension

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



24.3644, 0.4164, 0.5004



42.8955, 0.4193, 0.5053



20.4573, 0.3445, 0.5552



5.8449, 0.3258, 0.3506



21.6186, 0.4193, 0.5053



0.1436, 0.4193, 0.5053

Inverse Universe

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



2.3027, 0.1568, 0.0711



3.3384, 0.1500, 0.0600



3.7018, 0.2127, 0.1011



4.8923, 0.2991, 0.3064



1.6825, 0.1500, 0.0600



0.0112, 0.1500, 0.0600

Previews

White Background



This preview shows how the Yxy color 24.3633, 0.4164, 0.5004 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 24.3633, 0.4164, 0.5004 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

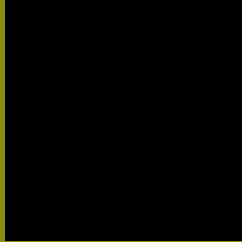
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 24.3633, 0.4164, 0.5004

Background



This preview shows how black text looks on a background with the Yxy color 24.3633, 0.4164, 0.5004.



This preview shows how white text looks on a background with the Yxy color 24.3633, 0.4164, 0.5004.

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

24.3633, 0.4164, 0.5004

Protanopia

24.4072, 0.4374, 0.4851

Deuteranopia

24.1665, 0.4646, 0.4548



Tritanopia

24.2483, 0.3239, 0.3128

Trichromacy



Original Color

24.3633, 0.4164, 0.5004

Protanomaly

24.2163, 0.4299, 0.4904

Deuteranomaly

24.0303, 0.4482, 0.4707

Tritanomaly

23.9693, 0.3708, 0.3968

Monochromacy



Original Color

24.3633, 0.4164, 0.5004

Achromatopsia

20.8637, 0.3127, 0.3290

Achromatomaly

21.7138, 0.3634, 0.4127

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.3633, 0.4164, 0.5004 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(140, 140, 14)` looks like.

```
.text, #text, p{  
    color:rgb(140, 140, 14)  
}
```

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(140, 140, 14) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(140, 140, 14) }
```

Border

The CSS property to change the border of an element to Yxy 24.3633, 0.4164, 0.5004 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(140, 140, 14) }
```

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

```
.border{ border-color:rgb(140, 140, 14) }
```

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

Here you see how a box with a 4 pixel `rgb(140, 140, 14)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(140, 140, 14); -webkit-box-  
shadow:4px 4px 4px 4px rgb(140, 140, 14);  
box-shadow:4px 4px 4px 4px rgb(140, 140,  
14) }
```


Background

The CSS property to change the background color of an element to Yxy 24.3633, 0.4164, 0.5004 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(140, 140, 14) }
```

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

```
.background{ background-color: rgb(140,  
140, 14) }
```

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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