

Converting Colors

$Y_{xy}(10.1388, 0.5689, 0.3718)$

Have a look what the booklet for
Yxy(10.1388, 0.5689, 0.3718)
contains.

Yxy(10.1318, 0.5679, 0.3722)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(10.1318, 0.5679, 0.3722)

Conversions

Conversions Part 1

Format	Color
Hex	9D3910
RGB	157, 57, 16
RGB Percent	62%, 22%, 6%
CMY	0.3844, 0.7764, 0.9373
CMYK	0.00, 0.64, 0.90, 0.38
HSL	17°, 82%, 34%
HSV	17°, 90%, 62%
XYZ	15.4590, 10.1318, 1.6306
YIQ	82.2260, 72.7610, 8.4490

Conversions

Conversions Part 2

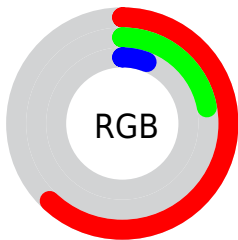
Format	Color
RYB	157, 74, 16
Decimal	10303760
CIELab	38.08, 39.84, 43.94
CIElCh	38, 59.310, 47.805
Yxy	10.1318, 0.5679, 0.3722
Android (android.graphics.Color)	4288493840 (0xFF9D3910)
YUV	82.2260, -32.6494, 65.5768
Hunter-Lab	31.8305, 30.9882, 19.2441

Details

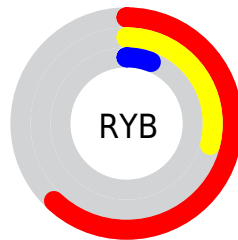
The Yxy color **10.1318, 0.5679, 0.3722** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **15.0232, 0.2032, 0.2435**, and the grayscale version is **8.5429, 0.3127, 0.3290**.

A 20% lighter version of the original color is **26.0007, 0.5086, 0.3756**, and **2.5967, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **9.1128, 0.5957, 0.3649**, and if you desaturate by 10%, it is **11.4218, 0.5349, 0.3763**.

Distribution



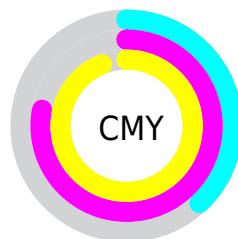
- Red (62%)
- Green (22%)
- Blue (6%)



- Red (62%)
- Yellow (29%)
- Blue (6%)



- Cyan (0%)
- Magenta (64%)
- Yellow (90%)
- Black (38%)





- Cyan (38%)
- Magenta (78%)
- Yellow (94%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 10.1318, 0.5679, 0.3722 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 10.1318, 0.5679, 0.3722 by changing the saturation by 10% instead.


 10.1318, 0.5679,
0.3722

 10.1318, 0.5679,
0.3722


 191.6102, 0.4161,
0.3633

 5.4864, 0.6142,
0.3650

 26.0431, 0.5085,
0.3760


 2.5354, 0.6613,
0.3387

 38.0778, 0.4871,
0.3748


 0.8943, 0.7158,
0.2842

 53.3445, 0.4696,
0.3730

 0.0000, 1.0000,
0.0000


 72.2274, 0.4551,
0.3710


 0.0000, 0.0000,
0.0000


 95.1111, 0.4430,
0.3689


 122.3798, 0.4326,

0.3669


 154.4181, 0.4238,
0.3651

 10.1318, 0.5679,
0.3722


 10.1318, 0.5679,
0.3722


 9.1128, 0.5957,
0.3649

 11.4218, 0.5349,
0.3763

 9.0962, 0.5962,
0.3648

 13.0076, 0.4985,
0.3762

 14.9083, 0.4621,
0.3725

 17.1407, 0.4279,
0.3666

 19.7203, 0.3974,
0.3593

■ 22.6617, 0.3707,
0.3514

■ 25.9783, 0.3480,
0.3436

■ 29.6832, 0.3287,
0.3360

■ 33.7885, 0.3124,
0.3289

Harmonies

Analogous

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



10.1318, 0.5373, 0.2949



10.1318, 0.5679, 0.3722



10.1318, 0.5137, 0.4619

Triad

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



10.1318, 0.5679, 0.3722



10.1318, 0.1911, 0.4741



10.1318, 0.1777, 0.1493

Complementary

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



10.1318, 0.5679, 0.3722



15.0232, 0.2032, 0.2435

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.



10.1318, 0.1249, 0.1550



10.1318, 0.5679, 0.3722



10.1318, 0.1265, 0.3059

Square

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



10.1318, 0.5679, 0.3722



10.1318, 0.2966, 0.5839



10.1318, 0.1081, 0.1996



10.1318, 0.2770, 0.1736

Rectangle

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



10.1318, 0.5679, 0.3722



10.1318, 0.4495, 0.5255



10.1318, 0.1081, 0.1996



10.1318, 0.1555, 0.1477

Sweetspot

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



10.1324, 0.5679, 0.3722



41.8969, 0.3652, 0.3496



8.8220, 0.3954, 0.2016



8.8306, 0.3728, 0.3521



78.7412, 0.3127, 0.3290



13.2868, 0.3127, 0.3290

Same Dimension

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



10.1324, 0.5679, 0.3722



16.0035, 0.5995, 0.3622



22.2372, 0.4539, 0.4692



6.9451, 0.3277, 0.3356



7.4466, 0.5948, 0.3659



0.2008, 0.5251, 0.4213

Inverse Universe

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



15.0232, 0.2032, 0.2435



24.4975, 0.1974, 0.2306



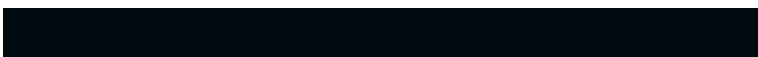
4.5401, 0.1650, 0.1027



7.1831, 0.2988, 0.3223



11.3313, 0.1982, 0.2334



0.2712, 0.2100, 0.2761

Previews

White Background



This preview shows how the Yxy color 10.1318, 0.5679, 0.3722 looks on a white 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

Black Background



This preview shows how the Yxy color 10.1318, 0.5679, 0.3722 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

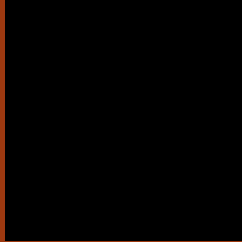
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 10.1318, 0.5679, 0.3722

Background



This preview shows how black text looks on a background with the Yxy color 10.1318, 0.5679, 0.3722.



This preview shows how white text looks on a background with the Yxy color 10.1318, 0.5679, 0.3722.

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

10.1318, 0.5679, 0.3722

Protanopia

10.3771, 0.4232, 0.4674

Deuteranopia

10.2330, 0.4681, 0.4665



Tritanopia

10.1008, 0.5184, 0.3255

Trichromacy



Original Color

10.1318, 0.5679, 0.3722

Protanomaly

9.7875, 0.4805, 0.4288

Deuteranomaly

9.7911, 0.5113, 0.4259

Tritanomaly

10.0675, 0.5437, 0.3460

Monochromacy



Original Color

10.1318, 0.5679, 0.3722

Achromatopsia

8.4376, 0.3127, 0.3290

Achromatomaly

8.3218, 0.4130, 0.3636

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.1318, 0.5679, 0.3722 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(157, 57, 16)` looks like.

```
.text, #text, p{  
    color:rgb(157, 57, 16)  
}
```

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(157, 57, 16) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 57, 16) }
```

Border

The CSS property to change the border of an element to Yxy 10.1318, 0.5679, 0.3722 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(157, 57, 16) }
```

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

```
.border{ border-color:rgb(157, 57, 16) }
```

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

Here you see how a box with a 4 pixel `rgb(157, 57, 16)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 57, 16); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 57, 16);  
box-shadow:4px 4px 4px 4px rgb(157, 57,  
16) }
```


Background

The CSS property to change the background color of an element to Yxy 10.1318, 0.5679, 0.3722 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 57, 16) }
```

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

```
.background{ background-color: rgb(157, 57,  
16) }
```

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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