

Converting Colors

$Y_{xy}(12.9612, 0.5780, 0.3662)$

Have a look what the booklet for
Yxy(12.9612, 0.5780, 0.3662)
contains.

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Color

Yxy(12.9787, 0.5785, 0.3654)

Conversions

Conversions Part 1

Format	Color
Hex	B43C12
RGB	180, 60, 18
RGB Percent	71%, 24%, 7%
CMY	0.2941, 0.7647, 0.9296
CMYK	0.00, 0.67, 0.90, 0.29
HSL	16°, 82%, 39%
HSV	16°, 90%, 71%
XYZ	20.5478, 12.9787, 1.9926
YIQ	91.0920, 85.0020, 12.3780

Conversions

Conversions Part 2

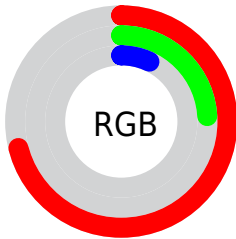
Format	Color
RYB	180, 75, 18
Decimal	11811858
CIELab	42.73, 46.93, 48.56
CIElCh	43, 67.532, 45.972
Yxy	12.9787, 0.5785, 0.3654
Android (android.graphics.Color)	4290001938 (0xFFB43C12)
YUV	91.0920, -36.0344, 77.9723
Hunter-Lab	36.0260, 38.7641, 21.9388

Details

The Yxy color **12.9787, 0.5785, 0.3654** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **21.5886, 0.2053, 0.2523**, and the grayscale version is **10.5526, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.2702, 0.5212, 0.3715**, and **3.9219, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **11.7132, 0.6053, 0.3576**, and if you desaturate by 10%, it is **14.6400, 0.5449, 0.3702**.

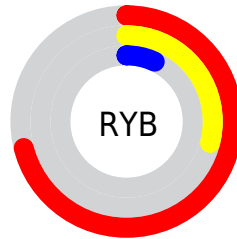
Distribution



Red (71%)

Green (24%)

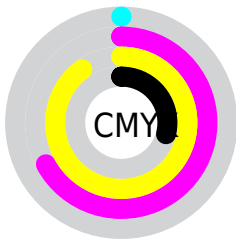
Blue (7%)



Red (71%)

Yellow (29%)

Blue (7%)

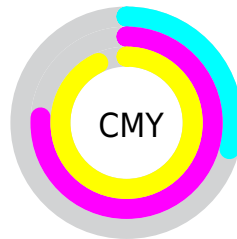


Cyan (0%)

Magenta (67%)

Yellow (90%)

Black (29%)



Cyan (29%)


Magenta (76%)

Yellow (93%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 12.9787, 0.5785, 0.3654 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 12.9787, 0.5785, 0.3654 by changing the saturation by 10% instead.


 12.9787, 0.5785,
0.3654


 12.9787, 0.5785,
0.3654

210.7811, 0.4265,
0.3630


 7.4139, 0.6184,
0.3553


 31.2655, 0.5211,
0.3717

 3.7223, 0.6665,
0.3335

 44.7563, 0.4998,
0.3716

 1.5194, 0.7137,
0.2863

 61.6579, 0.4821,
0.3706


 0.3024, 0.8396,
0.1604

 82.3546, 0.4672,
0.3692


 0.0000, 1.0000,
0.0000

 107.2309, 0.4547,
0.3677

 0.0000, 0.0000,
0.0000


 136.6711, 0.4439,

0.3661


 171.0598, 0.4346,
0.3645


 12.9787, 0.5785,
0.3654


 12.9787, 0.5785,
0.3654


 11.7132, 0.6053,
0.3576

 14.6400, 0.5449,
0.3702

 16.7319, 0.5070,
0.3709

 19.2843, 0.4686,
0.3681

 22.3239, 0.4326,
0.3630

 25.8751, 0.4005,
0.3565

■ 29.9605, 0.3728,
0.3494

■ 34.6014, 0.3492,
0.3423

■ 39.8179, 0.3294,
0.3354

■ 45.6292, 0.3128,
0.3290

Harmonies

Analogous

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



12.9787, 0.5421, 0.2875



12.9787, 0.5785, 0.3654



12.9787, 0.5235, 0.4564

Triad

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



12.9787, 0.5785, 0.3654



12.9787, 0.1908, 0.4930



12.9787, 0.1682, 0.1431

Complementary

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



12.9787, 0.5785, 0.3654



21.5886, 0.2053, 0.2523

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.



12.9787, 0.1171, 0.1505



12.9787, 0.5785, 0.3654



12.9787, 0.1223, 0.3129

Square

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



12.9787, 0.5785, 0.3654



12.9787, 0.3005, 0.5988



12.9787, 0.1019, 0.1984



12.9787, 0.2672, 0.1661

Rectangle

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



12.9787, 0.5785, 0.3654



12.9787, 0.4577, 0.5240



12.9787, 0.1019, 0.1984



12.9787, 0.1465, 0.1420

Sweetspot

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



12.9795, 0.5785, 0.3654



56.3798, 0.3663, 0.3476



12.0135, 0.3864, 0.1956



11.6073, 0.3748, 0.3500



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.



12.9795, 0.5785, 0.3654



20.9179, 0.6081, 0.3554



28.3554, 0.4618, 0.4637



8.8519, 0.3281, 0.3350



8.2697, 0.6032, 0.3592



0.3567, 0.5481, 0.4030

Inverse Universe

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



21.5886, 0.2053, 0.2523



36.1425, 0.2003, 0.2412



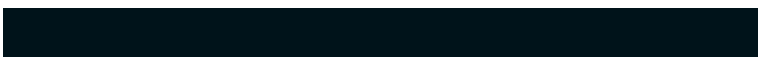
6.4974, 0.1659, 0.1075



9.2509, 0.2986, 0.3230



14.1775, 0.2011, 0.2439



0.5342, 0.2084, 0.2704

Previews

White Background



This preview shows how the Yxy color 12.9787, 0.5785, 0.3654 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 12.9787, 0.5785, 0.3654 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

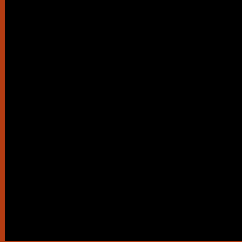
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 12.9787, 0.5785, 0.3654

Background



This preview shows how black text looks on a background with the Yxy color 12.9787, 0.5785, 0.3654.



This preview shows how white text looks on a background with the Yxy color 12.9787, 0.5785, 0.3654.

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

12.9787, 0.5785, 0.3654

Protanopia

13.1640, 0.4239, 0.4689

Deuteranopia

13.2165, 0.4694, 0.4655



Tritanopia

12.9679, 0.5349, 0.3263

Trichromacy



Original Color

12.9787, 0.5785, 0.3654

Protanomaly

12.2856, 0.4874, 0.4261

Deuteranomaly

12.6519, 0.5157, 0.4231

Tritanomaly

12.9319, 0.5566, 0.3432

Monochromacy



Original Color

12.9787, 0.5785, 0.3654

Achromatopsia

10.4616, 0.3127, 0.3290

Achromatomaly

10.3184, 0.4198, 0.3621

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.9787, 0.5785, 0.3654 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(180, 60, 18)` looks like.

```
.text, #text, p{  
    color:rgb(180, 60, 18)  
}
```

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(180, 60, 18) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 60, 18) }
```

Border

The CSS property to change the border of an element to Yxy 12.9787, 0.5785, 0.3654 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(180, 60, 18) }
```

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

```
.border{ border-color:rgb(180, 60, 18) }
```

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

Here you see how a box with a 4 pixel rgb(180, 60, 18) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 60, 18); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 60, 18);  
box-shadow:4px 4px 4px 4px rgb(180, 60,  
18) }
```


Background

The CSS property to change the background color of an element to Yxy 12.9787, 0.5785, 0.3654 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 60, 18) }
```

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

```
.background{ background-color: rgb(180, 60,  
18) }
```

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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