

Converting Colors

$Y_{xy}(12.2633, 0.5960, 0.3493)$

Have a look what the booklet for
Yxy(12.2633, 0.5960, 0.3493)
contains.

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Color

Yxy(12.2739, 0.5955, 0.3496)

Conversions

Conversions Part 1

Format	Color
Hex	B82F14
RGB	184, 47, 20
RGB Percent	72%, 18%, 8%
CMY	0.2785, 0.8155, 0.9217
CMYK	0.00, 0.74, 0.89, 0.28
HSL	10°, 80%, 40%
HSV	10°, 89%, 72%
XYZ	20.9071, 12.2739, 1.9275
YIQ	84.8850, 90.3190, 20.6470

Conversions

Conversions Part 2

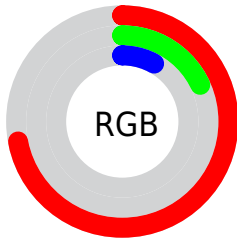
Format	Color
R_{YB}	184, 52, 20
Decimal	12070676
CIE _{Lab}	41.65, 53.34, 47.27
CIE _{LCh}	42, 71.272, 41.546
Yxy	12.2739, 0.5955, 0.3496
Android (android.graphics.Color)	4290260756 (0xFFB82F14)
YUV	84.8850, -31.9883, 86.9239
Hunter-Lab	35.0341, 45.2124, 21.2620

Details

The Yxy color **12.2739, 0.5955, 0.3496** is a dark color, and the websafe version is hex **990000**. A complement of this color would be **27.6944, 0.2135, 0.2819**, and the grayscale version is **9.1156, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.0743, 0.5335, 0.3597**, and **4.1376, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **11.2073, 0.6216, 0.3435**, and if you desaturate by 10%, it is **13.8193, 0.5597, 0.3538**.

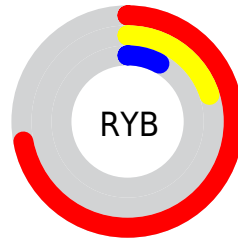
Distribution



Red (72%)

Green (18%)

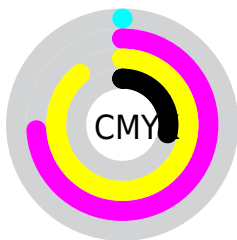
Blue (8%)



Red (72%)

Yellow (20%)

Blue (8%)

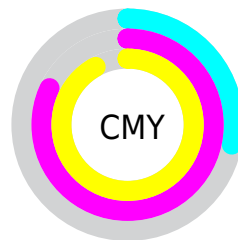


Cyan (0%)

Magenta (74%)

Yellow (89%)

Black (28%)



Cyan (28%)


Magenta (82%)


Yellow (92%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.2739, 0.5955, 0.3496 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 12.2739, 0.5955, 0.3496 by changing the saturation by 10% instead.

 12.2739, 0.5955,
0.3496


 12.2739, 0.5955,
0.3496


206.2102, 0.4325,
0.3574


 6.9305, 0.6390,
0.3363


 29.9930, 0.5336,
0.3602


 3.4187, 0.6904,
0.3096

 43.1375, 0.5107,
0.3615


 1.3540, 0.7425,
0.2575

 59.6511, 0.4918,
0.3617

 0.1825, 0.9003,
0.0997

 79.9183, 0.4759,
0.3612


 0.0000, 1.0000,
0.0000

 104.3234, 0.4625,
0.3605


 0.0000, 0.0000,
0.0000


 133.2508, 0.4510,

0.3595


 167.0850, 0.4411,
0.3585

 12.2739, 0.5955,
0.3496

 12.2739, 0.5955,
0.3496


 11.2073, 0.6216,
0.3435

 13.8193, 0.5597,
0.3538

 11.1354, 0.6235,
0.3431

 15.8961, 0.5181,
0.3549

 18.5487, 0.4758,
0.3536

 21.8162, 0.4365,
0.3504

 25.7341, 0.4020,
0.3463

■ 30.3354, 0.3726,
0.3417

■ 35.6506, 0.3482,
0.3371

■ 41.7084, 0.3280,
0.3328

■ 48.5361, 0.3114,
0.3287

Harmonies

Analogous

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



12.2739, 0.5426, 0.2716



12.2739, 0.5955, 0.3496



12.2739, 0.5464, 0.4430

Triad

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



12.2739, 0.5955, 0.3496



12.2739, 0.1961, 0.5349



12.2739, 0.1499, 0.1334

Complementary

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



12.2739, 0.5955, 0.3496



27.6944, 0.2135, 0.2819

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.



12.2739, 0.1038, 0.1454



12.2739, 0.5955, 0.3496



12.2739, 0.1185, 0.3354

Square

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



12.2739, 0.5955, 0.3496



12.2739, 0.3129, 0.6200



12.2739, 0.0928, 0.2017



12.2739, 0.2445, 0.1526

Rectangle

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



12.2739, 0.5955, 0.3496



12.2739, 0.4807, 0.5177



12.2739, 0.0928, 0.2017



12.2739, 0.1300, 0.1336

Sweetspot

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



12.2746, 0.5955, 0.3496



56.5425, 0.3682, 0.3409



13.2041, 0.3572, 0.1793



11.5350, 0.3772, 0.3425



93.3107, 0.3127, 0.3290



18.7317, 0.3127, 0.3290

Same Dimension

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



12.2746, 0.5955, 0.3496



19.9607, 0.6256, 0.3414



25.3089, 0.4825, 0.4453



9.2453, 0.3284, 0.3328



7.7474, 0.6218, 0.3445



0.3481, 0.5780, 0.3792

Inverse Universe

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



27.6944, 0.2135, 0.2819



47.6484, 0.2096, 0.2746



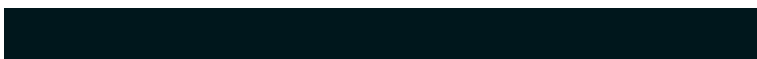
8.9686, 0.1733, 0.1338



9.9515, 0.2985, 0.3251



18.3185, 0.2101, 0.2763



0.7137, 0.2142, 0.2912

Previews

White Background



This preview shows how the Yxy color 12.2739, 0.5955, 0.3496 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 12.2739, 0.5955, 0.3496 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

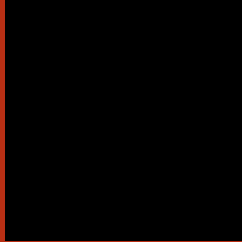
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 12.2739, 0.5955, 0.3496

Background



This preview shows how black text looks on a background with the Yxy color 12.2739, 0.5955, 0.3496.



This preview shows how white text looks on a background with the Yxy color 12.2739, 0.5955, 0.3496.

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

12.2739, 0.5955, 0.3496

Protanopia

12.6037, 0.4177, 0.4623

Deuteranopia

12.3654, 0.4692, 0.4656



Tritanopia

12.3129, 0.5700, 0.3279

Trichromacy



Original Color

12.2739, 0.5955, 0.3496

Protanomaly

11.3720, 0.4943, 0.4123

Deuteranomaly

11.4341, 0.5266, 0.4140

Tritanomaly

12.3246, 0.5812, 0.3366

Monochromacy



Original Color

12.2739, 0.5955, 0.3496

Achromatopsia

9.0842, 0.3127, 0.3290

Achromatomaly

8.9083, 0.4316, 0.3501

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.2739, 0.5955, 0.3496 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(184, 47, 20)` looks like.

```
.text, #text, p{  
    color:rgb(184, 47, 20)  
}
```

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(184, 47, 20) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 47, 20) }
```

Border

The CSS property to change the border of an element to Yxy 12.2739, 0.5955, 0.3496 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(184, 47, 20) }
```

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

```
.border{ border-color:rgb(184, 47, 20) }
```

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

Here you see how a box with a 4 pixel `rgb(184, 47, 20)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 47, 20); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 47, 20);  
box-shadow:4px 4px 4px 4px rgb(184, 47,  
20) }
```


Background

The CSS property to change the background color of an element to Yxy 12.2739, 0.5955, 0.3496 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(184, 47, 20) }
```

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

```
.background{ background-color: rgb(184, 47,  
20) }
```

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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