

Converting Colors

$Y_{xy}(11.7089, 0.6022, 0.3528)$

Have a look what the booklet for
Yxy(11.7089, 0.6022, 0.3528)
contains.

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Color

Yxy(11.7224, 0.6027, 0.3524)

Conversions

Conversions Part 1

Format	Color
Hex	B52D0A
RGB	181, 45, 10
RGB Percent	71%, 18%, 4%
CMY	0.2902, 0.8235, 0.9607
CMYK	0.00, 0.75, 0.94, 0.29
HSL	12°, 90%, 37%
HSV	12°, 94%, 71%
XYZ	20.0485, 11.7224, 1.4936
YIQ	81.6740, 92.2910, 17.9470

Conversions

Conversions Part 2

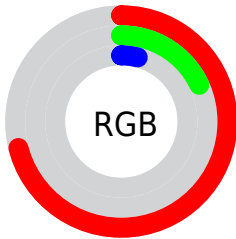
Format	Color
RYB	181, 54, 10
Decimal	11873546
CIELab	40.77, 52.93, 50.01
CIELCh	41, 72.816, 43.372
Yxy	11.7224, 0.6027, 0.3524
Android (android.graphics.Color)	4290063626 (0xFFB52D0A)
YUV	81.6740, -35.3353, 87.1089
Hunter-Lab	34.2380, 44.6065, 21.3802

Details

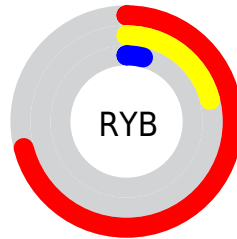
The Yxy color **11.7224, 0.6027, 0.3524** is a dark color, and the websafe version is hex **990000**. A complement of this color would be **23.9570, 0.2081, 0.2660**, and the grayscale version is **8.4292, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.0461, 0.5406, 0.3641**, and **3.9219, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **11.1494, 0.6166, 0.3486**, and if you desaturate by 10%, it is **13.0779, 0.5719, 0.3587**.

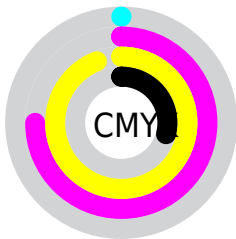
Distribution



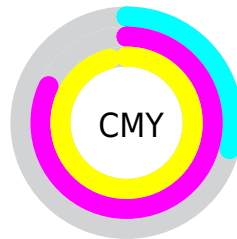
- Red (71%)
- Green (18%)
- Blue (4%)



- Red (71%)
- Yellow (21%)
- Blue (4%)



- Cyan (0%)
- Magenta (75%)
- Yellow (94%)
- Black (29%)




- Cyan (29%)
- Magenta (82%)
- Yellow (96%)
- Black (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 11.7224, 0.6027, 0.3524 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 11.7224, 0.6027, 0.3524 by changing the saturation by 10% instead.


 11.7224, 0.6027,
0.3524

 11.7224, 0.6027,
0.3524


 202.5587, 0.4363,
0.3607


 6.5549, 0.6494,
0.3395


 28.9885, 0.5403,
0.3642


 3.1854, 0.6929,
0.3071


 41.8559, 0.5169,
0.3656

 1.2293, 0.7468,
0.2532


 58.0588, 0.4975,
0.3658

 0.0854, 0.9459,
0.0541

 77.9815, 0.4812,
0.3652

 0.0000, 1.0000,
0.0000

 102.0085, 0.4673,
0.3643

 0.0000, 0.0000,
0.0000

 130.5241, 0.4555,

0.3631

 163.9127, 0.4453,
0.3620

 11.7224, 0.6027,
0.3524


 11.7224, 0.6027,
0.3524

 11.1494, 0.6166,
0.3486

 13.0779, 0.5719,
0.3587

 14.8937, 0.5336,
0.3615

 17.2092, 0.4927,
0.3609

 20.0587, 0.4531,
0.3578

 23.4732, 0.4173,
0.3531

■ 27.4816, 0.3863,
0.3477

■ 32.1104, 0.3600,
0.3420

■ 37.3848, 0.3380,
0.3365

■ 43.3285, 0.3198,
0.3312

Harmonies

Analogous

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



11.7224, 0.5574, 0.2735



11.7224, 0.6027, 0.3524



11.7224, 0.5477, 0.4509

Triad

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



11.7224, 0.6027, 0.3524



11.7224, 0.1849, 0.5324



11.7224, 0.1500, 0.1292

Complementary

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



11.7224, 0.6027, 0.3524



23.9570, 0.2081, 0.2660

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.



11.7224, 0.1011, 0.1389



11.7224, 0.6027, 0.3524



11.7224, 0.1102, 0.3232

Square

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



11.7224, 0.6027, 0.3524



11.7224, 0.3022, 0.6312



11.7224, 0.0878, 0.1918



11.7224, 0.2499, 0.1505

Rectangle

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



11.7224, 0.6027, 0.3524



11.7224, 0.4741, 0.5259



11.7224, 0.0878, 0.1918



11.7224, 0.1290, 0.1288

Sweetspot

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



11.7231, 0.6027, 0.3524



54.0583, 0.3699, 0.3443



12.1409, 0.3748, 0.1864



10.9335, 0.3813, 0.3467



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.



11.7231, 0.6027, 0.3524



19.7099, 0.6190, 0.3467



25.7311, 0.4779, 0.4545



8.7778, 0.3282, 0.3337



7.7690, 0.6146, 0.3502



0.3264, 0.5631, 0.3911

Inverse Universe

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



23.9570, 0.2081, 0.2660



41.3365, 0.2058, 0.2608



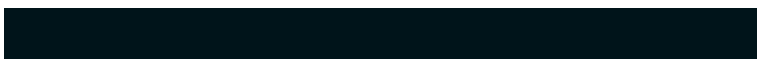
6.7713, 0.1653, 0.1103



9.3302, 0.2986, 0.3242



16.1407, 0.2064, 0.2629



0.5826, 0.2120, 0.2833

Previews

White Background



This preview shows how the Yxy color 11.7224, 0.6027, 0.3524 looks on a white background.

Color Contrast Check

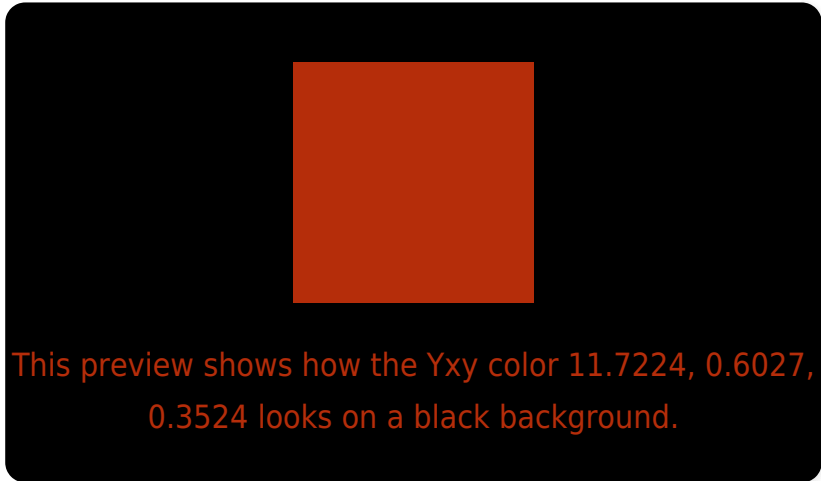
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

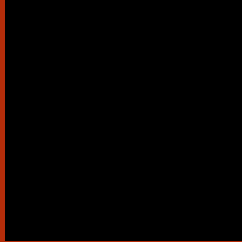
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 11.7224, 0.6027, 0.3524

Background



This preview shows how black text looks on a background with the Yxy color 11.7224, 0.6027, 0.3524.



This preview shows how white text looks on a background with the Yxy color 11.7224, 0.6027, 0.3524.

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

11.7224, 0.6027, 0.3524

Protanopia

12.0525, 0.4249, 0.4724

Deuteranopia

11.8652, 0.4701, 0.4650



Tritanopia

11.7754, 0.5741, 0.3289

Trichromacy



Original Color

11.7224, 0.6027, 0.3524

Protanomaly

10.7899, 0.5019, 0.4196

Deuteranomaly

10.9702, 0.5298, 0.4139

Tritanomaly

11.7718, 0.5885, 0.3396

Monochromacy



Original Color

11.7224, 0.6027, 0.3524

Achromatopsia

8.4376, 0.3127, 0.3290

Achromatomaly

8.3933, 0.4384, 0.3568

CSS Examples

Text

The CSS property to change the color of the text to Yxy 11.7224, 0.6027, 0.3524 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(181, 45, 10)` looks like.

```
.text, #text, p{  
    color:rgb(181, 45, 10)  
}
```

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(181, 45, 10) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 45, 10) }
```

Border

The CSS property to change the border of an element to Yxy 11.7224, 0.6027, 0.3524 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(181, 45, 10) }
```

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

```
.border{ border-color:rgb(181, 45, 10) }
```

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

Here you see how a box with a 4 pixel `rgb(181, 45, 10)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 45, 10); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 45, 10);  
box-shadow:4px 4px 4px 4px rgb(181, 45,  
10) }
```


Background

The CSS property to change the background color of an element to Yxy 11.7224, 0.6027, 0.3524 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 45, 10) }
```

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

```
.background{ background-color: rgb(181, 45,  
10) }
```

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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