Converting Colors

Yxy(12.9123, 0.6122, 0.3521)

Have a look what the booklet for Yxy(12.9123, 0.6122, 0.3521) contains.

Yxy(12.8777, 0.6122, 0.3521) 3
- ***Conversions*** 4
- ***Details*** 6
- ***Harmonies*** 12
- ***Previews*** 24
- ***Color Blindness Simulation*** 27
- ***CSS Examples*** 30

Color

Yxy(12.8777, 0.6122, 0.3521)

Conversions

Conversions Part 1

Format	Color
Hex	BF2C00
RGB	191, 44, 0
RGB Percent	75%, 17%, 0%
CMY	0.2509, 0.8276, 1.0000
CMYK	0.00, 0.77, 1.00, 0.25
HSL	14°, 100%, 37%
HSV	14°, 100%, 75%
XYZ	22.3906, 12.8777, 1.3057
YIQ	82.9370, 101.7360, 17.4800

Conversions

Conversions Part 2

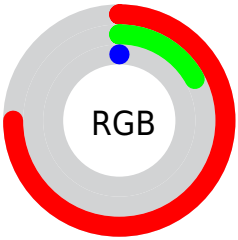
Format	Color
RYB	191, 57, 0
Decimal	12528640
CIELab	42.58, 56.31, 55.22
CIELCh	43, 78.866, 44.441
Yxy	12.8777, 0.6122, 0.3521
Android (android.graphics.Color)	4290718720 (0xFFBF2C00)
YUV	82.9370, -40.8879, 94.7713
Hunter-Lab	35.8855, 48.5746, 22.9626

Details

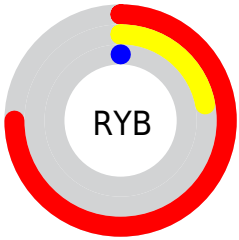
The Yxy color 12.8777, 0.6122, 0.3521 is a dark color, and the websafe version is hex CC3300. A complement of this color would be 24.6470, 0.2036, 0.2528, and the grayscale version is 8.7040, 0.3127, 0.3290.

A 20% lighter version of the original color is 31.0291, 0.5508, 0.3663, and 4.5892, 0.6401, 0.3300 is the 20% darker color. If you saturate the color by 10%, you get 12.8781, 0.6122, 0.3521, and if you desaturate by 10%, it is 14.2215, 0.5859, 0.3598.

Distribution

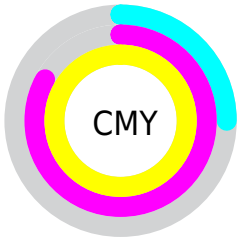


- Red (75%)
- Green (17%)
- Blue (0%)



- Red (75%)
- Yellow (22%)
- Blue (0%)

- Cyan (0%)
- Magenta (77%)
- Yellow (100%)
- Black (25%)



- Cyan (25%)
- Magenta (83%)
- Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 12.8777, 0.6122, 0.3521 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 12.8777, 0.6122, 0.3521 by changing the saturation by 10% instead.

12.8777, 0.6122, 0.3521

210.1324, 0.4451, 0.3637

31.0839, 0.5514, 0.3658

44.5256, 0.5281, 0.3677

61.3721, 0.5084, 0.3682

82.0080, 0.4917, 0.3679

106.8176, 0.4774, 0.3671

136.1852, 0.4651,

12.8777, 0.6122, 0.3521

7.3444, 0.6581, 0.3389

3.6784, 0.6951, 0.3049

1.4953, 0.7462, 0.2538

0.2854, 0.8711, 0.1289

0.0000, 1.0000, 0.0000

0.0000, 0.0000, 0.0000

0.3661

170.4954, 0.4545, 0.3649

12.8777, 0.6122, 0.3521

12.8781, 0.6122, 0.3521

12.8777, 0.6122, 0.3521

14.2215, 0.5859, 0.3598

16.0361, 0.5517, 0.3648

18.3718, 0.5126, 0.3659

21.2664, 0.4727, 0.3637

24.7542, 0.4354, 0.3593

28.8664, 0.4022, 0.3535

33.6322, 0.3737, 0.3472

39.0787, 0.3496, 0.3409

45.2316, 0.3295, 0.3347

Harmonies

Analogous

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

12.8777, 0.5724, 0.2726

12.8777, 0.6122, 0.3521

12.8777, 0.5475, 0.4525

Triad

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

12.8777, 0.6122, 0.3521

12.8777, 0.1743, 0.5369

12.8777, 0.1472, 0.1236

Complementary

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

12.8777, 0.6122, 0.3521

24.6470, 0.2036, 0.2528

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.

12.8777, 0.0963, 0.1318

12.8777, 0.6122, 0.3521

12.8777, 0.1015, 0.3145

Square

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

12.8777, 0.6122, 0.3521

12.8777, 0.2929, 0.6461

12.8777, 0.0814, 0.1826

12.8777, 0.2517, 0.1463

Rectangle

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

12.8777, 0.6122, 0.3521

12.8777, 0.4690, 0.5310

12.8777, 0.0814, 0.1826

12.8777, 0.1253, 0.1228

Sweetspot

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

12.8785, 0.6122, 0.3521

59.7851, 0.3749, 0.3475

13.2695, 0.3848, 0.1894

12.3016, 0.3866, 0.3502

97.7402, 0.3127, 0.3290

20.4902, 0.3127, 0.3290

Same Dimension

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

12.8785, 0.6122, 0.3521

22.7575, 0.6146, 0.3502

28.9421, 0.4802, 0.4569

9.8832, 0.3283, 0.3343

8.5648, 0.6100, 0.3539

0.4380, 0.5626, 0.3915

Inverse Universe

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

24.6470, 0.2036, 0.2528

43.7447, 0.2032, 0.2515

6.4128, 0.1599, 0.0955

10.4270, 0.2985, 0.3236

16.3199, 0.2039, 0.2539

0.7320, 0.2094, 0.2739

Previews

White Background

This preview shows how the Yxy color 12.8777, 0.6122, 0.3521 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 12.8777, 0.6122, 0.3521

Background

This preview shows how black text looks on a background with the Yxy color 12.8777, 0.6122, 0.3521.

This preview shows how white text looks on a background with the Yxy color 12.8777, 0.6122, 0.3521.

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
12.8777, 0.6122, 0.3521

Protanopia
13.1381, 0.4281, 0.4752

Deuteranopia
13.1386, 0.4680, 0.4666

Tritanopia
12.9595, 0.5826, 0.3290

Trichromacy

Original Color
12.8777, 0.6122, 0.3521

Protanomaly
11.6673, 0.5106, 0.4202

Deuteranomaly
12.0281, 0.5337, 0.4145

Tritanomaly
12.9415, 0.5984, 0.3402

Monochromacy

Original Color
12.8777, 0.6122, 0.3521

Achromatopsia
8.6500, 0.3127, 0.3290

Achromatomaly
8.6509, 0.4514, 0.3617

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.8777, 0.6122, 0.3521 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(191, 44, 0) looks like.

```
.text, #text, p{
    color:rgb(191, 44, 0)
}
```

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(191, 44, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 44, 0) }
```

Border

The CSS property to change the border of an element to Yxy 12.8777, 0.6122, 0.3521 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(191, 44, 0) }
```

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

```
.border{ border-color:rgb(191, 44, 0) }
```

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

Here you see how a box with a 4 pixel rgb(191, 44, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(191, 44, 0); -webkit-box-shadow:4px 4px 4px 4px rgb(191, 44, 0); box-shadow:4px 4px 4px 4px rgb(191, 44, 0) }
```

Background

The CSS property to change the background color of an element to Yxy 12.8777, 0.6122, 0.3521 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{ background:rgb(191, 44, 0) }
```

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

```
.background{ background-color:rgb(191, 44, 0) }
```

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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