

Converting Colors

$Y_{xy}(23.9124, 0.5593, 0.3732)$

Have a look what the booklet for
Yxy(23.9124, 0.5593, 0.3732)
contains.

Yxy(23.9277, 0.5601, 0.3727)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(23.9277, 0.5601, 0.3727)

Conversions

Conversions Part 1

Format	Color
Hex	E45A23
RGB	228, 90, 35
RGB Percent	89%, 35%, 14%
CMY	0.1058, 0.6471, 0.8627
CMYK	0.00, 0.61, 0.85, 0.11
HSL	17°, 78%, 52%
HSV	17°, 85%, 89%
XYZ	35.9590, 23.9277, 4.3143
YIQ	124.9920, 99.9030, 12.1510

Conversions

Conversions Part 2

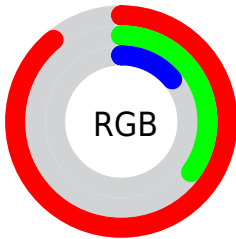
Format	Color
R_{YB}	228, 112, 35
Decimal	14965283
CIE _{Lab}	56.02, 51.22, 55.98
CIE _{LCh}	56, 75.874, 47.546
Yxy	23.9277, 0.5601, 0.3727
Android (android.graphics.Color)	4293155363 (0xFFE45A23)
YUV	124.9920, -44.3661, 90.3380
Hunter-Lab	48.9159, 45.6155, 29.0119

Details

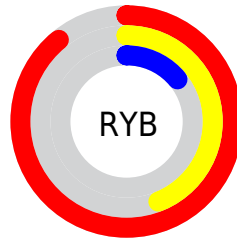
The Yxy color **23.9277, 0.5601, 0.3727** is a dark color, and the websafe version is hex **FF6633**. The color can be described as dark washed red. A complement of this color would be **35.8628, 0.2055, 0.2486**, and the grayscale version is **20.6325, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.8624, 0.4867, 0.3855**, and **9.0870, 0.6164, 0.3488** is the 20% darker color. If you saturate the color by 10%, you get **21.3794, 0.5893, 0.3652**, and if you desaturate by 10%, it is **27.1700, 0.5245, 0.3756**.

Distribution



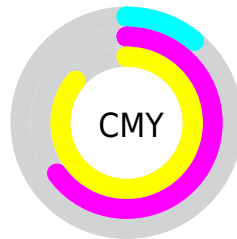
- Red (89%)
- Green (35%)
- Blue (14%)



- Red (89%)
- Yellow (44%)
- Blue (14%)



- Cyan (0%)
- Magenta (61%)
- Yellow (85%)
- Black (11%)



- Cyan (11%)
- Magenta (65%)
- Yellow (86%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.9277, 0.5601, 0.3727 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 23.9277, 0.5601, 0.3727 by changing the saturation by 10% instead.


 23.9277, 0.5601,
0.3727


 23.9277, 0.5601,
0.3727


272.4548, 0.4302,
0.3660


 15.2800, 0.5900,
0.3669


 49.9122, 0.5137,
0.3755

 9.0161, 0.6272,
0.3560


 68.0178, 0.4958,
0.3748

 4.7517, 0.6674,
0.3326

 90.0448, 0.4806,
0.3737

 2.1023, 0.7101,
0.2899

 116.3776, 0.4676,
0.3722

 0.6659, 0.7808,
0.2192

 147.4006, 0.4563,
0.3707

 0.0000, 1.0000,
0.0000

 183.4982, 0.4464,

 0.0000, 0.0000,

0.3691

0.0000

225.0548, 0.4378,
0.3675

23.9277, 0.5601,
0.3727

23.9277, 0.5601,
0.3727

21.3794, 0.5893,
0.3652

27.1700, 0.5245,
0.3756

20.2718, 0.6021,
0.3602

31.1531, 0.4866,
0.3742

35.9240, 0.4495,
0.3696

41.5241, 0.4156,
0.3630

47.9918, 0.3857,
0.3554

■ 55.3630, 0.3601,
0.3474

■ 63.6714, 0.3384,
0.3397

■ 72.9490, 0.3202,
0.3323

■ 83.2262, 0.3049,
0.3254

Harmonies

Analogous

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



23.9277, 0.5283, 0.2965



23.9277, 0.5601, 0.3727



23.9277, 0.5086, 0.4587

Triad

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



23.9277, 0.5601, 0.3727



23.9277, 0.1967, 0.4690



23.9277, 0.1812, 0.1540

Complementary

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



23.9277, 0.5601, 0.3727



35.8628, 0.2055, 0.2486

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.



23.9277, 0.1295, 0.1603



23.9277, 0.5601, 0.3727



23.9277, 0.1325, 0.3089

Square

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



23.9277, 0.5601, 0.3727



23.9277, 0.3001, 0.5733



23.9277, 0.1134, 0.2050



23.9277, 0.2776, 0.1776

Rectangle

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



23.9277, 0.5601, 0.3727



23.9277, 0.4469, 0.5185



23.9277, 0.1134, 0.2050



23.9277, 0.1595, 0.1526

Sweetspot

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



23.9291, 0.5601, 0.3727



70.8345, 0.3613, 0.3478



20.7298, 0.3920, 0.2023



14.4183, 0.3700, 0.3507



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



23.9291, 0.5601, 0.3727



25.9774, 0.6031, 0.3593



51.8205, 0.4509, 0.4682



15.0332, 0.3285, 0.3358



11.8784, 0.5994, 0.3623



1.0323, 0.5706, 0.3851

Inverse Universe

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



35.8628, 0.2055, 0.2486



40.8251, 0.1977, 0.2315



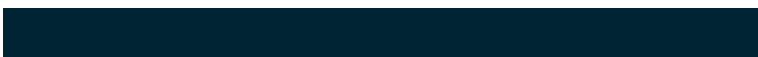
11.2442, 0.1680, 0.1089



15.6061, 0.2981, 0.3221



18.5829, 0.1983, 0.2338



1.5296, 0.2026, 0.2494

Previews

White Background



This preview shows how the Yxy color 23.9277, 0.5601, 0.3727 looks on a white 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

Black Background



This preview shows how the Yxy color 23.9277, 0.5601, 0.3727 looks on a black 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

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

Yxy 23.9277, 0.5601, 0.3727

Background



This preview shows how black text looks on a background with the Yxy color 23.9277, 0.5601, 0.3727.



This preview shows how white text looks on a background with the Yxy color 23.9277, 0.5601, 0.3727.

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

23.9277, 0.5601, 0.3727

Protanopia

24.1045, 0.4207, 0.4626

Deuteranopia

24.0218, 0.4668, 0.4597



Tritanopia

23.9018, 0.5098, 0.3236

Trichromacy



Original Color

23.9277, 0.5601, 0.3727

Protanomaly

22.9445, 0.4758, 0.4263

Deuteranomaly

23.1729, 0.5060, 0.4240

Tritanomaly

23.7558, 0.5330, 0.3446

Monochromacy



Original Color

23.9277, 0.5601, 0.3727

Achromatopsia

20.5079, 0.3127, 0.3290

Achromatomaly

20.0424, 0.4079, 0.3613

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.9277, 0.5601, 0.3727 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(228, 90, 35)` looks like.

```
.text, #text, p{  
    color:rgb(228, 90, 35)  
}
```

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(228, 90, 35) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 90, 35) }
```

Border

The CSS property to change the border of an element to Yxy 23.9277, 0.5601, 0.3727 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(228, 90, 35) }
```

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

```
.border{ border-color:rgb(228, 90, 35) }
```

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

Here you see how a box with a 4 pixel `rgb(228, 90, 35)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 90, 35); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 90, 35);  
box-shadow:4px 4px 4px 4px rgb(228, 90,  
35) }
```


Background

The CSS property to change the background color of an element to Yxy 23.9277, 0.5601, 0.3727 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 90, 35) }
```

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

```
.background{ background-color: rgb(228, 90,  
35) }
```

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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