

Converting Colors

$Y_{xy}(23.4541, 0.6084, 0.3350)$

Have a look what the booklet for
Yxy(23.4541, 0.6084, 0.3350)
contains.

Yxy(23.4204, 0.6087, 0.3349)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(23.4204, 0.6087, 0.3349)

Conversions

Conversions Part 1

Format	Color
Hex	FF2F24
RGB	255, 47, 36
RGB Percent	100%, 18%, 14%
CMY	0.0001, 0.8154, 0.8589
CMYK	0.00, 0.82, 0.86, 0.00
HSL	3°, 100%, 57%
HSV	3°, 86%, 100%
XYZ	42.5679, 23.4204, 3.9442
YIQ	107.9380, 127.4990, 40.6750

Conversions

Conversions Part 2

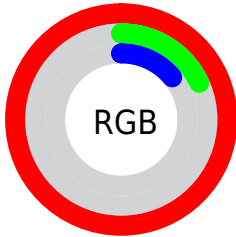
Format	Color
R_{YB}	255, 48, 36
Decimal	16723748
CIE _{Lab}	55.50, 74.35, 57.11
CIE _{LCh}	56, 93.746, 37.528
Yxy	23.4204, 0.6087, 0.3349
Android (android.graphics.Color)	4294913828 (0xFFFF2F24)
YUV	107.9380, -35.4654, 128.9734
Hunter-Lab	48.3946, 72.3180, 29.0441

Details

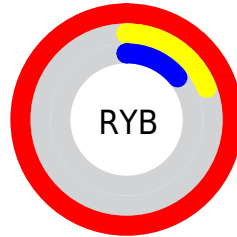
The Yxy color **23.4204, 0.6087, 0.3349** is a dark color, and the websafe version is hex **FF3333**. The color can be described as dark washed red. A complement of this color would be **72.2170, 0.2229, 0.3152**, and the grayscale version is **15.0631, 0.3127, 0.3290**.

A 20% lighter version of the original color is **33.9505, 0.5125, 0.3558**, and **10.6914, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **21.8860, 0.6320, 0.3326**, and if you desaturate by 10%, it is **26.1401, 0.5710, 0.3365**.

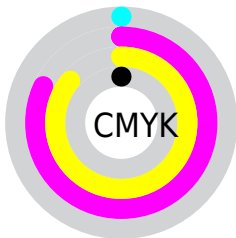
Distribution



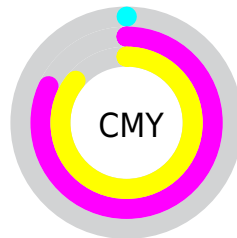
- Red (100%)
- Green (18%)
- Blue (14%)



- Red (100%)
- Yellow (19%)
- Blue (14%)



- Cyan (0%)
- Magenta (82%)
- Yellow (86%)
- Black (0%)




- Cyan (0%)
- Magenta (82%)
- Yellow (86%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.4204, 0.6087, 0.3349 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 23.4204, 0.6087, 0.3349 by changing the saturation by 10% instead.


 23.4204, 0.6087,
0.3349

 23.4204, 0.6087,
0.3349


269.8770, 0.4545,
0.3527


 14.9042, 0.6432,
0.3223


 49.0827, 0.5543,
0.3474


 8.7522, 0.6864,
0.3036


 66.9976, 0.5331,
0.3503


 4.5799, 0.7295,
0.2705

 88.8143, 0.5150,
0.3519

 2.0030, 0.7789,
0.2211

 114.9170, 0.4994,
0.3528

 0.6092, 0.8533,
0.1467

 145.6903, 0.4858,
0.3532

 0.0000, 1.0000,
0.0000

 181.5184, 0.4740,

 0.0000, 0.0000,

0.3532

0.0000

222.7858, 0.4636,
0.3530

23.4204, 0.6087,
0.3349

23.4204, 0.6087,
0.3349

21.8860, 0.6320,
0.3326

26.1401, 0.5710,
0.3365

21.5411, 0.6376,
0.3320

30.2158, 0.5251,
0.3370

35.7951, 0.4782,
0.3366

43.0052, 0.4351,
0.3355

51.9599, 0.3981,
0.3341

 62.7627, 0.3675,
0.3326

 75.5090, 0.3426,
0.3312

 90.2878, 0.3226,
0.3298

99.9952, 0.3127,
0.3290

Harmonies

Analogous

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



23.4204, 0.5387, 0.2570



23.4204, 0.6087, 0.3349



23.4204, 0.5628, 0.4257

Triad

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



23.4204, 0.6087, 0.3349



23.4204, 0.2028, 0.5741



23.4204, 0.1345, 0.1259

Complementary

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



23.4204, 0.6087, 0.3349



72.2170, 0.2229, 0.3152

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.



23.4204, 0.0933, 0.1422



23.4204, 0.6087, 0.3349



23.4204, 0.1168, 0.3608

Square

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



23.4204, 0.6087, 0.3349



23.4204, 0.3249, 0.6321



23.4204, 0.0860, 0.2072



23.4204, 0.2239, 0.1415

Rectangle

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



23.4204, 0.6087, 0.3349



23.4204, 0.4956, 0.5014



23.4204, 0.0860, 0.2072



23.4204, 0.1164, 0.1274

Sweetspot

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



23.4219, 0.6087, 0.3349



62.6473, 0.3678, 0.3327



29.0487, 0.3318, 0.1656



12.5635, 0.3777, 0.3332



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.



23.4219, 0.6087, 0.3349



21.5460, 0.6376, 0.3320



45.3025, 0.5029, 0.4258



18.1346, 0.3293, 0.3303



11.3193, 0.6366, 0.3328



1.1518, 0.6284, 0.3393

Inverse Universe

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



72.2170, 0.2229, 0.3152



70.7669, 0.2202, 0.3128



24.7890, 0.1824, 0.1652



20.3142, 0.2980, 0.3277



37.0460, 0.2203, 0.3131



3.6536, 0.2208, 0.3150

Previews

White Background



This preview shows how the Yxy color 23.4204, 0.6087, 0.3349 looks on a white background.

Color Contrast Check

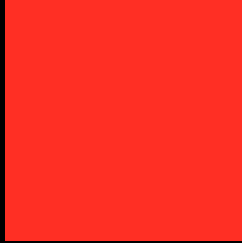
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.4204, 0.6087, 0.3349 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 23.4204, 0.6087, 0.3349

Background



This preview shows how black text looks on a background with the Yxy color 23.4204, 0.6087, 0.3349.



This preview shows how white text looks on a background with the Yxy color 23.4204, 0.6087, 0.3349.

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

23.4204, 0.6087, 0.3349

Protanopia

23.3664, 0.4107, 0.4497

Deuteranopia

23.2465, 0.4713, 0.4640



Tritanopia

23.4035, 0.6026, 0.3304

Trichromacy



Original Color

23.4204, 0.6087, 0.3349

Protanomaly

20.2893, 0.5005, 0.3936

Deuteranomaly

20.8578, 0.5422, 0.4015

Tritanomaly

23.3812, 0.6050, 0.3318

Monochromacy



Original Color

23.4204, 0.6087, 0.3349

Achromatopsia

14.9960, 0.3127, 0.3290

Achromatomaly

14.8418, 0.4422, 0.3357

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.4204, 0.6087, 0.3349 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(255, 47, 36)` looks like.

```
.text, #text, p{  
  color:rgb(255, 47, 36)  
}
```

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(255, 47, 36) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 47, 36) }
```

Border

The CSS property to change the border of an element to Yxy 23.4204, 0.6087, 0.3349 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(255, 47, 36) }
```

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

```
.border{ border-color:rgb(255, 47, 36) }
```

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

Here you see how a box with a 4 pixel rgb(255, 47, 36) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 47, 36); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 47, 36);  
box-shadow:4px 4px 4px 4px rgb(255, 47,  
36) }
```


Background

The CSS property to change the background color of an element to Yxy 23.4204, 0.6087, 0.3349 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 47, 36) }
```

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

```
.background{ background-color: rgb(255, 47,  
36) }
```

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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