

Converting Colors

$Y_{xy}(18.4975, 0.6352, 0.3310)$

Have a look what the booklet for
Yxy(18.4975, 0.6352, 0.3310)
contains.

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Color

Yxy(18.4554, 0.6352, 0.3309)

Conversions

Conversions Part 1

Format	Color
Hex	EE0C07
RGB	238, 12, 7
RGB Percent	93%, 5%, 3%
CMY	0.0667, 0.9525, 0.9733
CMYK	0.00, 0.95, 0.97, 0.07
HSL	1°, 94%, 48%
HSV	1°, 97%, 93%
XYZ	35.4272, 18.4554, 1.8907
YIQ	79.0040, 136.3010, 46.3570

Conversions

Conversions Part 2

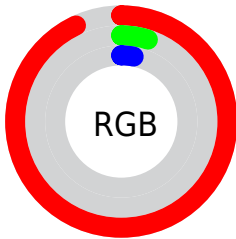
Format	Color
RYB	238, 12, 7
Decimal	15600647
CIELab	50.04, 75.16, 62.08
CIElCh	50, 97.484, 39.554
Yxy	18.4554, 0.6352, 0.3309
Android (android.graphics.Color)	4293790727 (0xFFEE0C07)
YUV	79.0040, -35.4980, 139.4395
Hunter-Lab	42.9597, 72.0224, 27.4624

Details

The Yxy color **18.4554, 0.6352, 0.3309** is a dark color, and the websafe version is hex **FF0000**. The color can be described as dark washed red. A complement of this color would be **64.3193, 0.2230, 0.3219**, and the grayscale version is **7.8788, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.7813, 0.5518, 0.3559**, and **8.6579, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **18.2943, 0.6389, 0.3309**, and if you desaturate by 10%, it is **19.4968, 0.6148, 0.3319**.

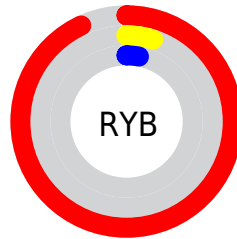
Distribution



Red (93%)

Green (5%)

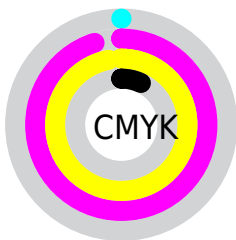
Blue (3%)



Red (93%)

Yellow (5%)

Blue (3%)

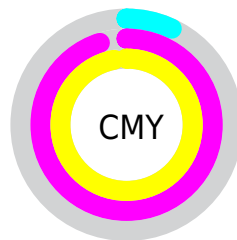


Cyan (0%)

Magenta (95%)

Yellow (97%)

Black (7%)



Cyan (7%)

Magenta (95%)


Yellow (97%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.4554, 0.6352, 0.3309 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 18.4554, 0.6352, 0.3309 by changing the saturation by 10% instead.


 18.4554, 0.6352,
0.3309


 18.4554, 0.6352,
0.3309


 243.4255, 0.4662,
0.3569


 11.2774, 0.6725,
0.3139


 40.8118, 0.5766,
0.3487


 6.2538, 0.7135,
0.2865


 56.7590, 0.5533,
0.3529


 3.0000, 0.7564,
0.2436

 76.3981, 0.5332,
0.3553

 1.1317, 0.8156,
0.1844

 100.1135, 0.5159,
0.3567

 0.0049, 0.9979,
0.0021

 128.2895, 0.5009,
0.3573


 0.0000, 1.0000,
0.0000


 161.3106, 0.4878,

 0.0000, 0.0000,

0.3574


0.0000


 199.5611, 0.4763,
0.3573

 18.4554, 0.6352,
0.3309


 18.4554, 0.6352,
0.3309


 18.2943, 0.6389,
0.3309


 19.4968, 0.6148,
0.3319


 21.5356, 0.5789,
0.3327


 24.7452, 0.5334,
0.3329


 29.2654, 0.4857,
0.3327

 35.2163, 0.4413,
0.3322

 42.7046, 0.4029,
0.3315

 51.8268, 0.3712,
0.3308

 62.6713, 0.3455,
0.3301

 75.3205, 0.3249,
0.3294

Harmonies

Analogous

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



18.4554, 0.5741, 0.2524



18.4554, 0.6352, 0.3309



18.4554, 0.5716, 0.4284

Triad

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



18.4554, 0.6352, 0.3309



18.4554, 0.1780, 0.5978



18.4554, 0.1253, 0.1117

Complementary

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



18.4554, 0.6352, 0.3309



64.3193, 0.2230, 0.3219

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.



18.4554, 0.0808, 0.1247



18.4554, 0.6352, 0.3309



18.4554, 0.0953, 0.3450

Square

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



18.4554, 0.6352, 0.3309



18.4554, 0.3036, 0.6682



18.4554, 0.0702, 0.1853



18.4554, 0.2231, 0.1299

Rectangle

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



18.4554, 0.6352, 0.3309



18.4554, 0.4893, 0.5107



18.4554, 0.0702, 0.1853



18.4554, 0.1059, 0.1123

Sweetspot

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



18.4566, 0.6352, 0.3309



58.3605, 0.3769, 0.3310



24.2723, 0.3250, 0.1571



11.4980, 0.3903, 0.3313



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.



18.4566, 0.6352, 0.3309



21.3870, 0.6390, 0.3309



33.1783, 0.5328, 0.4131



15.8168, 0.3293, 0.3296



10.2324, 0.6384, 0.3313



0.8716, 0.6340, 0.3348

Inverse Universe

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



64.3193, 0.2230, 0.3219



75.0651, 0.2227, 0.3216



19.3037, 0.1768, 0.1547



17.8631, 0.2981, 0.3284



35.8404, 0.2227, 0.3218



3.0012, 0.2230, 0.3227

Previews

White Background



This preview shows how the Yxy color 18.4554, 0.6352, 0.3309 looks on a white background.

Color Contrast Check

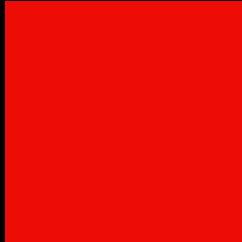
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.4554, 0.6352, 0.3309 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 18.4554, 0.6352, 0.3309

Background



This preview shows how black text looks on a background with the Yxy color 18.4554, 0.6352, 0.3309.



This preview shows how white text looks on a background with the Yxy color 18.4554, 0.6352, 0.3309.

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

18.4554, 0.6352, 0.3309

Protanopia

18.9299, 0.4258, 0.4716

Tritanopia

18.5783, 0.6342, 0.3346

Trichromacy



Original Color

18.4554, 0.6352, 0.3309

Protanomaly

14.7174, 0.5374, 0.3933

Tritanomaly

18.4415, 0.6350, 0.3331

Monochromacy



Original Color

18.4554, 0.6352, 0.3309

Achromatopsia

7.8187, 0.3127, 0.3290

Achromatomaly

8.3078, 0.4939, 0.3329

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.4554, 0.6352, 0.3309 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(238, 12, 7)` looks like.

```
.text, #text, p{  
    color:rgb(238, 12, 7)  
}
```

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(238, 12, 7) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 12, 7) }
```

Border

The CSS property to change the border of an element to Yxy 18.4554, 0.6352, 0.3309 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(238, 12, 7) }
```

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

```
.border{ border-color:rgb(238, 12, 7) }
```

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

Here you see how a box with a 4 pixel rgb(238, 12, 7) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(238, 12, 7); -webkit-box-  
shadow:4px 4px 4px 4px rgb(238, 12, 7);  
box-shadow:4px 4px 4px 4px rgb(238, 12, 7)  
}
```

Background

The CSS property to change the background color of an element to Yxy 18.4554, 0.6352, 0.3309 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 12, 7) }
```

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

```
.background{ background-color: rgb(238, 12,  
7) }
```

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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