

Converting Colors

$Y_{xy}(24.1725, 0.5937, 0.3514)$

Have a look what the booklet for
Yxy(24.1725, 0.5937, 0.3514)
contains.

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Color

Yxy(24.1293, 0.5932, 0.3514)

Conversions

Conversions Part 1

Format	Color
Hex	F7451F
RGB	247, 69, 31
RGB Percent	97%, 27%, 12%
CMY	0.0314, 0.7294, 0.8786
CMYK	0.00, 0.72, 0.87, 0.03
HSL	11°, 93%, 55%
HSV	11°, 87%, 97%
XYZ	40.7328, 24.1293, 3.8041
YIQ	117.8900, 118.2860, 25.9180

Conversions

Conversions Part 2

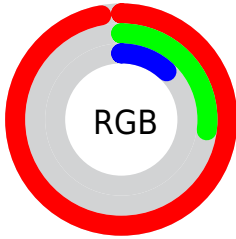
Format	Color
R_{YB}	247, 77, 31
Decimal	16205087
CIE _{Lab}	56.22, 65.69, 59.13
CIE _{LCh}	56, 88.381, 41.992
Yxy	24.1293, 0.5932, 0.3514
Android (android.graphics.Color)	4294395167 (0xFFFF7451F)
YUV	117.8900, -42.8368, 113.2295
Hunter-Lab	49.1216, 62.0537, 29.7935

Details

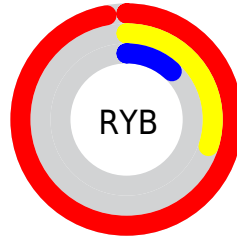
The Yxy color **24.1293, 0.5932, 0.3514** is a dark color, and the websafe version is hex **FF3300**. The color can be described as dark washed red. A complement of this color would be **52.5805, 0.2127, 0.2786**, and the grayscale version is **18.1903, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.2924, 0.5041, 0.3727**, and **9.8238, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **21.9565, 0.6190, 0.3443**, and if you desaturate by 10%, it is **27.2617, 0.5567, 0.3557**.

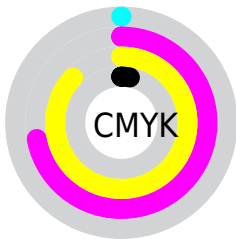
Distribution



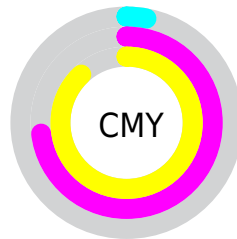
- Red (97%)
- Green (27%)
- Blue (12%)



- Red (97%)
- Yellow (30%)
- Blue (12%)



- Cyan (0%)
- Magenta (72%)
- Yellow (87%)
- Black (3%)





- Cyan (3%)
- Magenta (73%)
- Yellow (88%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 24.1293, 0.5932, 0.3514 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 24.1293, 0.5932, 0.3514 by changing the saturation by 10% instead.


 24.1293, 0.5932,
0.3514


 24.1293, 0.5932,
0.3514


273.4735, 0.4479,
0.3599


 15.4296, 0.6254,
0.3410


 50.2411, 0.5422,
0.3605


 9.1214, 0.6665,
0.3252


 68.4220, 0.5222,
0.3621

 4.8205, 0.7055,
0.2945

 90.5320, 0.5051,
0.3627

 2.1423, 0.7523,
0.2477

 116.9556, 0.4904,
0.3626

 0.6883, 0.8230,
0.1770

 148.0772, 0.4776,
0.3622


 0.0000, 1.0000,
0.0000


 184.2811, 0.4664,


 0.0000, 0.0000,


0.3616

0.0000

 225.9517, 0.4566,
0.3608


 24.1293, 0.5932,
0.3514

 24.1293, 0.5932,
0.3514


 21.9565, 0.6190,
0.3443


 27.2617, 0.5567,
0.3557

 21.5388, 0.6242,
0.3426

 31.4486, 0.5146,
0.3568

 36.7770, 0.4721,
0.3551

 43.3235, 0.4328,
0.3515

 51.1580, 0.3984,
0.3469

60.3448, 0.3693,
0.3420

70.9440, 0.3451,
0.3370

83.0120, 0.3252,
0.3323

96.6023, 0.3089,
0.3279

Harmonies

Analogous

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



24.1293, 0.5421, 0.2734



24.1293, 0.5932, 0.3514



24.1293, 0.5412, 0.4423

Triad

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



24.1293, 0.5932, 0.3514



24.1293, 0.1959, 0.5298



24.1293, 0.1520, 0.1347

Complementary

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



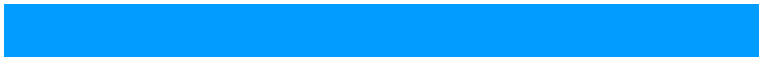
24.1293, 0.5932, 0.3514



52.5805, 0.2127, 0.2786

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.



24.1293, 0.1055, 0.1462



24.1293, 0.5932, 0.3514



24.1293, 0.1192, 0.3330

Square

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



24.1293, 0.5932, 0.3514



24.1293, 0.3118, 0.6173



24.1293, 0.0941, 0.2016



24.1293, 0.2470, 0.1543

Rectangle

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



24.1293, 0.5932, 0.3514



24.1293, 0.4737, 0.5135



24.1293, 0.0941, 0.2016



24.1293, 0.1320, 0.1348

Sweetspot

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



24.1308, 0.5932, 0.3514



66.4051, 0.3656, 0.3413



25.4547, 0.3616, 0.1819



13.4278, 0.3748, 0.3430



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.



24.1308, 0.5932, 0.3514



23.1304, 0.6244, 0.3424



50.5274, 0.4787, 0.4485



16.9543, 0.3289, 0.3332



11.5339, 0.6219, 0.3444



1.1434, 0.5998, 0.3619

Inverse Universe

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



52.5805, 0.2127, 0.2786



53.3546, 0.2085, 0.2705



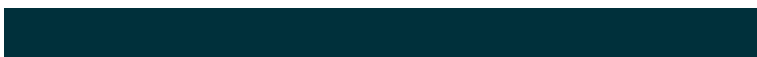
16.7014, 0.1722, 0.1295



18.2321, 0.2980, 0.3247



26.4525, 0.2088, 0.2717



2.4523, 0.2110, 0.2797

Previews

White Background



This preview shows how the Yxy color 24.1293, 0.5932, 0.3514 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 24.1293, 0.5932, 0.3514 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 24.1293, 0.5932, 0.3514

Background



This preview shows how black text looks on a background with the Yxy color 24.1293, 0.5932, 0.3514.



This preview shows how white text looks on a background with the Yxy color 24.1293, 0.5932, 0.3514.

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

24.1293, 0.5932, 0.3514

Protanopia

24.1125, 0.4200, 0.4616

Deuteranopia

24.0963, 0.4717, 0.4637



Tritanopia

24.1544, 0.5648, 0.3276

Trichromacy



Original Color

24.1293, 0.5932, 0.3514

Protanomaly

21.9681, 0.4945, 0.4125

Deuteranomaly

22.6817, 0.5276, 0.4145

Tritanomaly

24.1287, 0.5777, 0.3371

Monochromacy



Original Color

24.1293, 0.5932, 0.3514

Achromatopsia

18.1164, 0.3127, 0.3290

Achromatomaly

17.7856, 0.4297, 0.3513

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.1293, 0.5932, 0.3514 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(247, 69, 31)` looks like.

```
.text, #text, p{  
    color:rgb(247, 69, 31)  
}
```

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(247, 69, 31) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 69, 31) }
```

Border

The CSS property to change the border of an element to Yxy 24.1293, 0.5932, 0.3514 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(247, 69, 31) }
```

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

```
.border{ border-color:rgb(247, 69, 31) }
```

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

Here you see how a box with a 4 pixel `rgb(247, 69, 31)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(247, 69, 31); -webkit-box-  
shadow:4px 4px 4px 4px rgb(247, 69, 31);  
box-shadow:4px 4px 4px 4px rgb(247, 69,  
31) }
```


Background

The CSS property to change the background color of an element to Yxy 24.1293, 0.5932, 0.3514 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(247, 69, 31) }
```

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

```
.background{ background-color: rgb(247, 69,  
31) }
```

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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