

Converting Colors

$Yxy(24.9409, 0.6062, 0.3502)$

Have a look what the booklet for
Yxy(24.9409, 0.6062, 0.3502)
contains.

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Color

Yxy(24.9705, 0.6059, 0.3504)

Conversions

Conversions Part 1

Format	Color
Hex	FF4012
RGB	255, 64, 18
RGB Percent	100%, 25%, 7%
CMY	0.0001, 0.7489, 0.9296
CMYK	0.00, 0.75, 0.93, 0.00
HSL	12°, 100%, 54%
HSV	12°, 93%, 100%
XYZ	43.1782, 24.9705, 3.1142
YIQ	115.8650, 128.6020, 26.1860

Conversions

Conversions Part 2

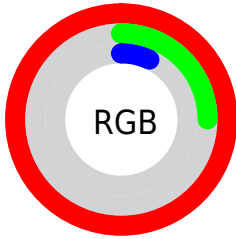
Format	Color
R_{YB}	255, 75, 18
Decimal	16728082
CIE Lab	57.05, 69.51, 64.78
CIE LCh	57, 95.016, 42.982
Yxy	24.9705, 0.6059, 0.3504
Android (android.graphics.Color)	4294918162 (0xFFFF4012)
YUV	115.8650, -48.2474, 122.0214
Hunter-Lab	49.9705, 66.7887, 31.2844

Details

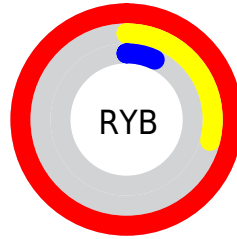
The Yxy color **24.9705, 0.6059, 0.3504** is a dark color, and the websafe version is hex **FF3300**. The color can be described as dark washed red. A complement of this color would be **52.8963, 0.2089, 0.2690**, and the grayscale version is **17.5470, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.3951, 0.5146, 0.3765**, and **10.8188, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **23.5024, 0.6214, 0.3448**, and if you desaturate by 10%, it is **27.8662, 0.5748, 0.3568**.

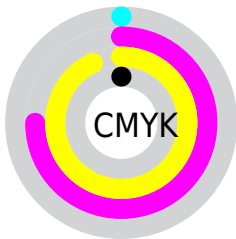
Distribution



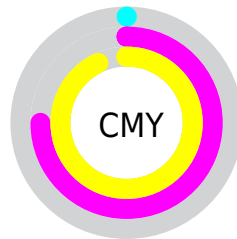
- Red (100%)
- Green (25%)
- Blue (7%)



- Red (100%)
- Yellow (29%)
- Blue (7%)



- Cyan (0%)
- Magenta (75%)
- Yellow (93%)
- Black (0%)




- Cyan (0%)
- Magenta (75%)
- Yellow (93%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 24.9705, 0.6059, 0.3504 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 24.9705, 0.6059, 0.3504 by changing the saturation by 10% instead.


 24.9705, 0.6059,
0.3504


 24.9705, 0.6059,
0.3504


277.6910, 0.4574,
0.3626


 16.0551, 0.6372,
0.3385


 51.6094, 0.5550,
0.3615


 9.5631, 0.6782,
0.3218


 70.1016, 0.5347,
0.3637


 5.1103, 0.7117,
0.2883

 92.5549, 0.5171,
0.3647

 2.3121, 0.7579,
0.2421

 119.3536, 0.5019,
0.3649

 0.7801, 0.8243,
0.1757

 150.8822, 0.4886,
0.3647

 0.0000, 1.0000,
0.0000


 187.5250, 0.4769,


 0.0000, 0.0000,

0.3642

0.0000

 229.6665, 0.4666,
0.3635


 24.9705, 0.6059,
0.3504


 24.9705, 0.6059,
0.3504

 23.5024, 0.6214,
0.3448

 27.8662, 0.5748,
0.3568


 31.8142, 0.5356,
0.3597


 36.9089, 0.4934,
0.3592


 43.2323, 0.4526,
0.3562

 50.8588, 0.4159,
0.3517

 59.8565, 0.3843,
0.3464

 70.2889, 0.3577,
0.3408

 82.2156, 0.3356,
0.3355

 95.6924, 0.3175,
0.3304

Harmonies

Analogous

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



24.9705, 0.5592, 0.2715



24.9705, 0.6059, 0.3504



24.9705, 0.5455, 0.4452

Triad

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



24.9705, 0.6059, 0.3504



24.9705, 0.1843, 0.5384



24.9705, 0.1475, 0.1275

Complementary

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



24.9705, 0.6059, 0.3504



52.8963, 0.2089, 0.2690

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.



24.9705, 0.0990, 0.1375



24.9705, 0.6059, 0.3504



24.9705, 0.1087, 0.3251

Square

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



24.9705, 0.6059, 0.3504



24.9705, 0.3025, 0.6352



24.9705, 0.0860, 0.1912



24.9705, 0.2473, 0.1485

Rectangle

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



24.9705, 0.6059, 0.3504



24.9705, 0.4730, 0.5219



24.9705, 0.0860, 0.1912



24.9705, 0.1266, 0.1271

Sweetspot

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



24.9720, 0.6059, 0.3504



64.8563, 0.3705, 0.3436



26.4177, 0.3701, 0.1835



12.9480, 0.3824, 0.3460



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.



24.9720, 0.6059, 0.3504



23.5057, 0.6214, 0.3448



53.9124, 0.4824, 0.4512



18.5586, 0.3290, 0.3337



12.4436, 0.6190, 0.3467



1.3543, 0.5987, 0.3628

Inverse Universe

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



52.8963, 0.2089, 0.2690



51.0822, 0.2067, 0.2641



15.1780, 0.1661, 0.1135



19.8458, 0.2980, 0.3243



26.9044, 0.2070, 0.2653



2.7660, 0.2093, 0.2733

Previews

White Background



This preview shows how the Yxy color 24.9705, 0.6059, 0.3504 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 24.9705, 0.6059, 0.3504 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 24.9705, 0.6059, 0.3504

Background



This preview shows how black text looks on a background with the Yxy color 24.9705, 0.6059, 0.3504.



This preview shows how white text looks on a background with the Yxy color 24.9705, 0.6059, 0.3504.

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

24.9705, 0.6059, 0.3504

Protanopia

25.1744, 0.4270, 0.4729

Deuteranopia

24.8495, 0.4710, 0.4642



Tritanopia

24.9564, 0.5766, 0.3285

Trichromacy



Original Color

24.9705, 0.6059, 0.3504

Protanomaly

22.5340, 0.5073, 0.4173

Deuteranomaly

23.0199, 0.5333, 0.4117

Tritanomaly

24.9105, 0.5908, 0.3385

Monochromacy



Original Color

24.9705, 0.6059, 0.3504

Achromatopsia

17.4647, 0.3127, 0.3290

Achromatomaly

17.3441, 0.4438, 0.3554

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.9705, 0.6059, 0.3504 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, 64, 18)` looks like.

```
.text, #text, p{  
  color:rgb(255, 64, 18)  
}
```

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, 64, 18) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 64, 18) }
```

Border

The CSS property to change the border of an element to Yxy 24.9705, 0.6059, 0.3504 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, 64, 18) }
```

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

```
.border{ border-color:rgb(255, 64, 18) }
```

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

Here you see how a box with a 4 pixel rgb(255, 64, 18) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 64, 18); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 64, 18);  
box-shadow:4px 4px 4px 4px rgb(255, 64,  
18) }
```


Background

The CSS property to change the background color of an element to Yxy 24.9705, 0.6059, 0.3504 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 64, 18) }
```

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

```
.background{ background-color: rgb(255, 64,  
18) }
```

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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