

Converting Colors

XYZ(53.4871, 44.4022, 10.1804)

Have a look what the booklet for
XYZ(53.4871, 44.4022, 10.1804)
contains.

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Color

**XYZ(53.4735, 44.3794,
10.1626)**

Conversions

Conversions Part 1

Format	Color
Hex	FF993D
RGB	255, 153, 61
RGB Percent	100%, 60%, 24%
CMY	0.0000, 0.4000, 0.7608
CMYK	0.00, 0.40, 0.76, 0.00
HSL	28°, 100%, 62%
HSV	28°, 76%, 100%
XYZ	53.4735, 44.3794, 10.1626
YIQ	173.0100, 90.3240, -6.9880

Conversions

Conversions Part 2

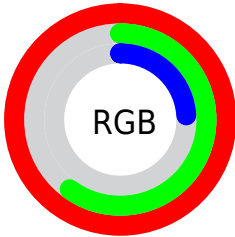
Format	Color
RYB	255, 236, 61
Decimal	16750909
CIELab	72.48, 31.38, 61.83
CIELCh	72, 69.339, 63.092
Yxy	44.3794, 0.4951, 0.4109
Android (android.graphics.Color)	4294940989 (0xFFFF993D)
YUV	173.0100, -55.2209, 71.9052
Hunter-Lab	66.6179, 26.6989, 37.5878

Details

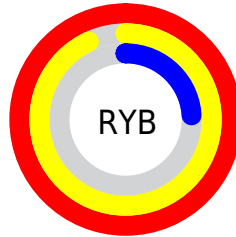
The XYZ color **53.4735, 44.3794, 10.1626** is a light color, and the websafe version is hex **FF9933**. The color can be described as light washed orange. A complement of this color would be **33.0707, 34.4045, 99.5047**, and the grayscale version is **39.9674, 42.0488, 45.7911**.

A 20% lighter version of the original color is **66.8331, 67.5867, 25.4426**, and **26.3919, 20.5138, 2.5686** is the 20% darker color. If you saturate the color by 10%, you get **50.8705, 40.0240, 6.6738**, and if you desaturate by 10%, it is **56.6513, 49.3630, 15.4529**.

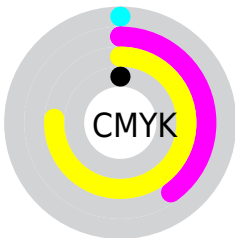
Distribution



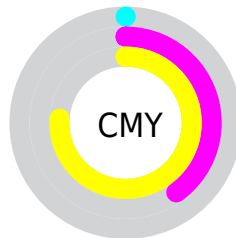
- Red (100%)
- Green (60%)
- Blue (24%)



- Red (100%)
- Yellow (93%)
- Blue (24%)



- Cyan (0%)
- Magenta (40%)
- Yellow (76%)
- Black (0%)



- Cyan (0%)
- Magenta (40%)
- Yellow (76%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 53.4735, 44.3794, 10.1626 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 XYZ color 53.4735, 44.3794, 10.1626 by changing the saturation by 10% instead.


 53.4735, 44.3794,
10.1626


 53.4735, 44.3794,
10.1626


390.3303,
364.2543, 202.3555


 38.4099, 30.9689,
5.3999

 94.4622, 81.7883,
26.7135

 26.4796, 20.5752,
2.4209


 121.1180,
106.5556, 39.3387


 17.3174, 12.8138,
0.7978


 152.3685,
135.8771, 55.4219

 10.5577, 7.3005,
0.0000


 188.5792,
170.1375, 75.3815

 5.8354, 3.6507,
0.0000

 230.1154,
209.7210, 99.6361

 2.7849, 1.4802,
0.0000

277.3424,

 1.0411, 0.2747,

255.0120, 128.6043

0.0000

330.6256,
306.3950, 162.7046

■ 0.0000, 0.0000,
0.0000

■ 53.4735, 44.3794,
10.1626

■ 53.4735, 44.3794,
10.1626

■ 50.8705, 40.0240,
6.6738

■ 56.6513, 49.3630,
15.4529

■ 48.7803, 36.2534,
4.7138

■ 60.4494, 54.9997,
22.7600

■ 48.0692, 34.9190,
4.2065

■ 64.9112, 61.3206,
32.2713

■ 70.0747, 68.3522,
44.1515

■ 75.9745, 76.1193,
58.5496

82.6427, 84.6453,
75.6023

90.1094, 93.9524,
95.4363

95.0496, 99.9998,
108.9000

Harmonies

Analogous

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



64.5414, 44.3794, 20.5359



53.4735, 44.3794, 10.1626



40.9525, 44.3794, 7.8713

Triad

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



53.4735, 44.3794, 10.1626



23.1262, 44.3794, 51.9634



56.0308, 44.3794, 127.2132

Complementary

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



53.4735, 44.3794, 10.1626



33.0707, 34.4045, 99.5047

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.



43.4344, 44.3794, 148.4947



53.4735, 44.3794, 10.1626



25.6931, 44.3794, 93.9625

Square

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



53.4735, 44.3794, 10.1626



24.8117, 44.3794, 24.2156



32.6025, 44.3794, 134.1101



66.2032, 44.3794, 84.6952

Rectangle

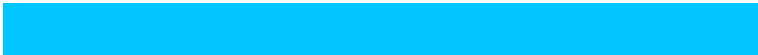
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



53.4735, 44.3794, 10.1626



33.7860, 44.3794, 9.5208



32.6025, 44.3794, 134.1101



51.8635, 44.3794, 137.8058

Sweetspot

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



53.4745, 44.3817, 10.1634



77.9438, 78.6617, 63.5088



49.6517, 27.2949, 37.9952



16.1901, 16.1997, 12.3530



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



53.4745, 44.3817, 10.1634



49.7820, 38.0973, 5.5377



75.8134, 89.0595, 17.6097



18.7199, 19.4080, 18.9038



25.2645, 18.5402, 2.2470



2.5684, 2.0221, 0.2549

Inverse Universe

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



33.0707, 34.4045, 99.5047



28.5196, 27.6364, 98.4390



22.0097, 12.2825, 95.8176



17.7934, 18.9584, 22.9715



14.0414, 12.9924, 51.2023



1.4766, 1.4839, 5.0219

Previews

White Background



This preview shows how the XYZ color 53.4735, 44.3794, 10.1626 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 53.4735, 44.3794, 10.1626 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

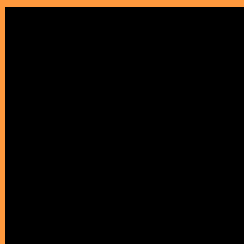
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 53.4735, 44.3794, 10.1626

Background



This preview shows how black text looks on a background with the XYZ color 53.4735, 44.3794, 10.1626.



This preview shows how white text looks on a background with the XYZ color 53.4735, 44.3794,

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

53.4735, 44.3794, 10.1626

Protanopia

40.7167, 44.7997, 11.9700

Deuteranopia

45.3332, 44.3494, 9.9124



Tritanopia

57.5196, 44.2181, 36.9558

Trichromacy



Original Color

53.4735, 44.3794, 10.1626

Protanomaly

44.5423, 44.1912, 11.1831

Deuteranomaly

48.1219, 44.1620, 9.9908

Tritanomaly

55.4386, 44.1354, 23.6862

Monochromacy



Original Color

53.4735, 44.3794, 10.1626

Achromatopsia

39.7200, 41.7885, 45.5077

Achromatomaly

42.4297, 41.6349, 27.6298

CSS Examples

Text

The CSS property to change the color of the text to XYZ 53.4735, 44.3794, 10.1626 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, 153, 61)` looks like.

```
.text, #text, p{  
    color:rgb(255, 153, 61)  
}
```

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, 153, 61) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 153, 61) }
```

Border

The CSS property to change the border of an element to XYZ 53.4735, 44.3794, 10.1626 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, 153, 61) }
```


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

```
.border{ border-color:rgb(255, 153, 61) }
```

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

Here you see how a box with a 4 pixel rgb(255, 153, 61) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 153, 61); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 153, 61);  
box-shadow:4px 4px 4px 4px rgb(255, 153,  
61) }
```

Background

The CSS property to change the background color of an element to XYZ 53.4735, 44.3794, 10.1626 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 153, 61) }
```

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

```
.background{ background-color: rgb(255,  
153, 61) }
```

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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