

Converting Colors

XYZ(55.0314, 48.5871, 7.3150)

Have a look what the booklet for
XYZ(55.0314, 48.5871, 7.3150)
contains.

XYZ(55.0411, 48.5984, 7.3436)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(55.0411, 48.5984,
7.3436)**

Conversions

Conversions Part 1

Format	Color
Hex	FFA618
RGB	255, 166, 24
RGB Percent	100%, 65%, 9%
CMY	0.0000, 0.3490, 0.9058
CMYK	0.00, 0.35, 0.91, 0.00
HSL	37°, 100%, 55%
HSV	37°, 91%, 100%
XYZ	55.0411, 48.5984, 7.3436
YIQ	176.4230, 98.6260, -25.2940

Conversions

Conversions Part 2

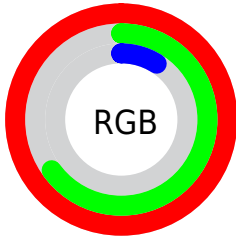
Format	Color
R _Y B	169, 255, 24
Decimal	16754200
CIE Lab	75.20, 23.65, 75.83
CIE LCh	75, 79.436, 72.676
Yxy	48.5984, 0.4959, 0.4379
Android (android.graphics.Color)	4294944280 (0xFFFFA618)
YUV	176.4230, -75.1445, 68.9120
Hunter-Lab	69.7126, 18.9366, 42.5531

Details

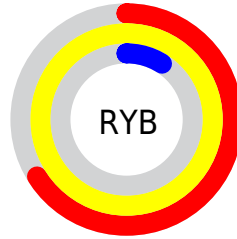
The XYZ color **55.0411, 48.5984, 7.3436** is a dark color, and the websafe version is hex **FF9900**. The color can be described as middle washed orange. A complement of this color would be **24.3319, 19.2246, 97.0353**, and the grayscale version is **41.8341, 44.0127, 47.9298**.

A 20% lighter version of the original color is **68.8579, 73.6775, 19.8245**, and **27.7555, 23.2411, 3.0231** is the 20% darker color. If you saturate the color by 10%, you get **53.2557, 45.2919, 5.9353**, and if you desaturate by 10%, it is **57.2972, 52.4705, 10.0702**.

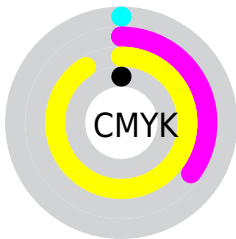
Distribution



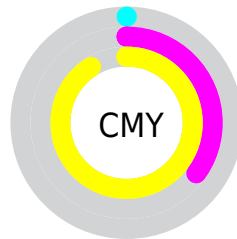
- Red (100%)
- Green (65%)
- Blue (9%)



- Red (66%)
- Yellow (100%)
- Blue (9%)



- Cyan (0%)
- Magenta (35%)
- Yellow (91%)
- Black (0%)





- Cyan (0%)
- Magenta (35%)
- Yellow (91%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 55.0411, 48.5984, 7.3436 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 55.0411, 48.5984, 7.3436 by changing the saturation by 10% instead.


 55.0411, 48.5984,
7.3436


 55.0411, 48.5984,
7.3436


396.2016,
381.1592, 180.2268

 39.6686, 34.3010,
3.5962


 96.7491, 88.0947,
21.1857


 27.4633, 23.1249,
1.4065


 123.8154,
114.0624, 32.1175

 18.0599, 14.6858,
0.1468


 155.5103,
144.6890, 46.2812

 11.0929, 8.5992,
0.0000

 192.1991,
180.3589, 64.0953

 6.1971, 4.4807,
0.0000

 234.2474,
221.4564, 85.9784

 3.0071, 1.9459,
0.0000

 282.0203,

 1.1575, 0.5758,

268.3661, 112.3490

0.0000

335.8832,
321.4722, 143.6256

■ 0.0724, 0.0000,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 55.0411, 48.5984,
7.3436

■ 55.0411, 48.5984,
7.3436

■ 53.2557, 45.2919,
5.9353

■ 57.2972, 52.4705,
10.0702

■ 59.9964, 56.7408,
14.4480

■ 63.1874, 61.4354,
20.7139

■ 66.9102, 66.5746,
29.0651

71.2000, 72.1768,
39.6739

76.0886, 78.2590,
52.6944

81.6049, 84.8368,
68.2671

87.7760, 91.9250,
86.5215

94.6270, 99.5375,
107.5785

Harmonies

Analogous

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



69.9879, 48.5984, 15.0449



55.0411, 48.5984, 7.3436



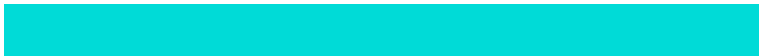
40.3149, 48.5984, 6.9017

Triad

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



55.0411, 48.5984, 7.3436



23.9040, 48.5984, 72.5370



67.8913, 48.5984, 136.4829

Complementary

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



55.0411, 48.5984, 7.3436



24.3319, 19.2246, 97.0353

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.



52.6127, 48.5984, 176.0531



55.0411, 48.5984, 7.3436



28.5115, 48.5984, 128.0166

Square

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



55.0411, 48.5984, 7.3436



24.2848, 48.5984, 32.4479



38.3449, 48.5984, 172.3289



78.4112, 48.5984, 80.5670

Rectangle

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



55.0411, 48.5984, 7.3436



32.6626, 48.5984, 10.0479



38.3449, 48.5984, 172.3289



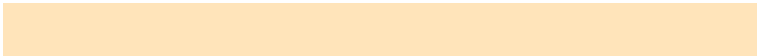
63.0187, 48.5984, 153.1908

Sweetspot

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



55.0422, 48.6009, 7.3445



77.9931, 80.5599, 57.9770



44.7425, 23.1839, 18.7635



16.3052, 16.7739, 11.3310



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.



55.0422, 48.6009, 7.3445



53.2561, 45.2922, 5.9354



69.1710, 88.7245, 14.3445



18.9391, 19.8465, 18.9769



27.9765, 23.9643, 3.1511



2.8299, 2.5451, 0.3421

Inverse Universe

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



24.3319, 19.2246, 97.0353



22.4403, 16.0007, 96.5134



19.5539, 8.4805, 95.2133



17.5767, 18.5251, 22.8993



11.8591, 8.6277, 50.4749



1.2566, 1.0439, 4.9485

Previews

White Background



This preview shows how the XYZ color 55.0411, 48.5984, 7.3436 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 55.0411, 48.5984, 7.3436 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 55.0411, 48.5984, 7.3436

Background



This preview shows how black text looks on a background with the XYZ color 55.0411, 48.5984, 7.3436.



This preview shows how white text looks on a background with the XYZ color 55.0411, 48.5984,

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

55.0411, 48.5984, 7.3436

Protanopia

44.0877, 48.7669, 8.3176

Deuteranopia

49.8411, 48.7348, 7.0670



Tritanopia

60.5347, 48.5409, 43.2246

Trichromacy



Original Color

55.0411, 48.5984, 7.3436

Protanomaly

47.6937, 48.4928, 7.9449

Deuteranomaly

51.4567, 48.4168, 7.0852

Tritanomaly

57.1373, 48.0107, 22.7785

Monochromacy



Original Color

55.0411, 48.5984, 7.3436

Achromatopsia

41.2663, 43.4154, 47.2793

Achromatomaly

43.3806, 43.8647, 24.2695

CSS Examples

Text

The CSS property to change the color of the text to XYZ 55.0411, 48.5984, 7.3436 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, 166, 24)` looks like.

```
.text, #text, p{  
    color:rgb(255, 166, 24)  
}
```

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, 166, 24) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 166, 24) }
```

Border

The CSS property to change the border of an element to XYZ 55.0411, 48.5984, 7.3436 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, 166, 24) }
```


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

```
.border{ border-color:rgb(255, 166, 24) }
```

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

Here you see how a box with a 4 pixel rgb(255, 166, 24) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 166, 24); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 166, 24);  
box-shadow:4px 4px 4px 4px rgb(255, 166,  
24) }
```

Background

The CSS property to change the background color of an element to XYZ 55.0411, 48.5984, 7.3436 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 166, 24) }
```

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

```
.background{ background-color: rgb(255,  
166, 24) }
```

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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