

Converting Colors

XYZ(54.8139, 48.4079, 6.4546)

Have a look what the booklet for
XYZ(54.8139, 48.4079, 6.4546)
contains.

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Color

**XYZ(54.8762, 48.5324,
6.4754)**

Conversions

Conversions Part 1

Format	Color
Hex	FFA600
RGB	255, 166, 0
RGB Percent	100%, 65%, 0%
CMY	0.0000, 0.3490, 0.9999
CMYK	0.00, 0.35, 1.00, 0.00
HSL	39°, 100%, 50%
HSV	39°, 100%, 100%
XYZ	54.8762, 48.5324, 6.4754
YIQ	173.6870, 106.3300, -32.7580

Conversions

Conversions Part 2

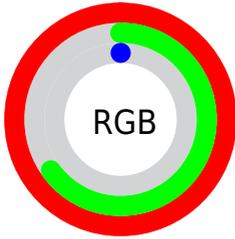
Format	Color
RYB	137, 255, 0
Decimal	16754176
CIELab	75.16, 23.41, 79.10
CIELCh	75, 82.497, 73.511
Yxy	48.5324, 0.4994, 0.4417
Android (android.graphics.Color)	4294944256 (0xFFFFA600)
YUV	173.6870, -85.6277, 71.3115
Hunter-Lab	69.6652, 18.6927, 43.2546

Details

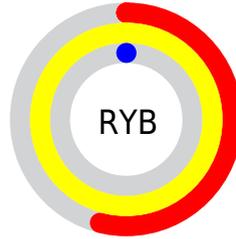
The XYZ color **54.8762, 48.5324, 6.4754** is a dark color, and the websafe version is hex **FF9900**, and the color name is **cheese**. The color can be described as middle saturated orange. A complement of this color would be **21.6231, 14.3662, 96.2402**, and the grayscale version is **40.4609, 42.5680, 46.3565**.

A 20% lighter version of the original color is **68.5444, 73.5521, 18.1737**, and **27.7555, 23.2411, 3.0231** is the 20% darker color. If you saturate the color by 10%, you get **54.8762, 48.5328, 6.4755**, and if you desaturate by 10%, it is **56.7326, 51.9560, 7.9875**.

Distribution



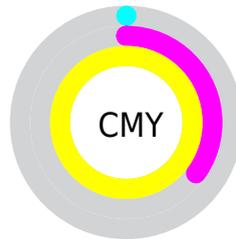
- Red (100%)
- Green (65%)
- Blue (0%)



- Red (54%)
- Yellow (100%)
- Blue (0%)



- Cyan (0%)
- Magenta (35%)
- Yellow (100%)
- Black (0%)



- Cyan (0%)
- Magenta (35%)
- Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 54.8762, 48.5324, 6.4754 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 54.8762, 48.5324, 6.4754 by changing the saturation by 10% instead.

 54.8762, 48.5324,
6.4754

 54.8762, 48.5324,
6.4754

395.5865,
380.8986, 172.6927

 39.5361, 34.2487,
3.0628

 96.5089, 87.9966,
19.4044

 27.3596, 23.0847,
1.1268

 123.5322,
113.9458, 29.7579

 17.9815, 14.6561,
0.0000

 155.1806,
144.5524, 43.2621

 11.0363, 8.5784,
0.0000

 191.8195,
180.2006, 60.3355

 6.1587, 4.4672,
0.0000

 233.8141,
221.2750, 81.3968

 2.9834, 1.9382,
0.0000

 281.5300,

 1.1450, 0.5712,

268.1598, 106.8643

0.0000

335.3323,
321.2396, 137.1568

■ 0.0623, 0.0000,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 54.8762, 48.5324,
6.4754

■ 54.8762, 48.5324,
6.4754

■ 54.8762, 48.5328,
6.4755

■ 56.7326, 51.9560,
7.9875

■ 58.9379, 55.6997,
10.7786

■ 61.5673, 59.7991,
15.2293

■ 64.6670, 64.2759,
21.5727

68.2758, 69.1490,
30.0039

72.4282, 74.4352,
40.6938

77.1549, 80.1500,
53.7954

82.4842, 86.3075,
69.4481

88.4423, 92.9212,
87.7808

Harmonies

Analogous

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



70.5716, 48.5324, 13.7629



54.8762, 48.5324, 6.4754



39.6678, 48.5324, 6.2033

Triad

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



54.8762, 48.5324, 6.4754



23.2527, 48.5324, 74.7666



69.1639, 48.5324, 139.0784

Complementary

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



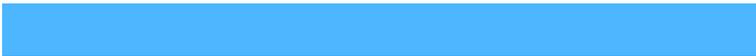
54.8762, 48.5324, 6.4754



21.6231, 14.3662, 96.2402

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.



53.2554, 48.5324, 182.0682



54.8762, 48.5324, 6.4754



28.1026, 48.5324, 133.3322

Square

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



54.8762, 48.5324, 6.4754



23.5010, 48.5324, 32.5700



38.3638, 48.5324, 179.5277



79.9738, 48.5324, 80.1538

Rectangle

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



54.8762, 48.5324, 6.4754



31.8749, 48.5324, 9.3981



38.3638, 48.5324, 179.5277



64.1012, 48.5324, 157.0150

Sweetspot

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



54.8773, 48.5349, 6.4763



77.1524, 80.1468, 53.7867



43.0540, 21.9858, 11.4831



16.0719, 16.6276, 10.2654



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.



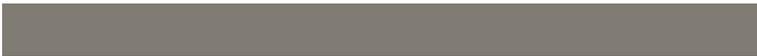
54.8773, 48.5349, 6.4763



54.8766, 48.5332, 6.4755



64.3013, 86.2331, 13.2561



18.9964, 19.9609, 18.9960



28.8195, 25.6502, 3.4320



2.9085, 2.7023, 0.3683

Inverse Universe

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



21.6231, 14.3662, 96.2402



21.6222, 14.3644, 96.2407



18.8591, 7.6374, 95.0871



17.5215, 18.4146, 22.8808



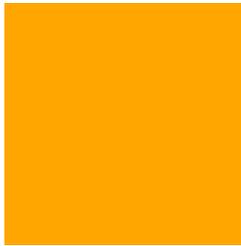
11.4237, 7.7571, 50.3298



1.2100, 0.9507, 4.9330

Previews

White Background



This preview shows how the XYZ color 54.8762, 48.5324, 6.4754 looks on a white background.

Color Contrast Check

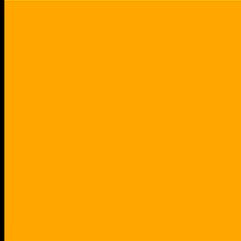
Large Text (above 18pt) WCAG AA × Fail

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 54.8762, 48.5324, 6.4754 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 54.8762, 48.5324, 6.4754

Background



This preview shows how black text looks on a background with the XYZ color 54.8762, 48.5324, 6.4754.



This preview shows how white text looks on a background with the XYZ color 54.8762, 48.5324,

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

54.8762, 48.5324, 6.4754

Protanopia

43.9626, 48.7168, 7.6585

Deuteranopia

49.7863, 48.7128, 6.7785



Tritanopia

60.5347, 48.5409, 43.2246

Trichromacy



Original Color

54.8762, 48.5324, 6.4754

Protanomaly

47.5445, 48.4331, 7.1593

Deuteranomaly

51.3705, 48.3823, 6.6312

Tritanomaly

56.6387, 47.8113, 20.1532

Monochromacy



Original Color

54.8762, 48.5324, 6.4754

Achromatopsia

40.2316, 42.3268, 46.0938

Achromatomaly

42.0608, 42.9700, 21.1161

CSS Examples

Text

The CSS property to change the color of the text to XYZ 54.8762, 48.5324, 6.4754 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, 0)` looks like.

```
.text, #text, p{  
    color:rgb(255, 166, 0)  
}
```

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, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 166, 0) }
```

Border

The CSS property to change the border of an element to XYZ 54.8762, 48.5324, 6.4754 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, 0) }
```


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

```
.border{ border-color:rgb(255, 166, 0) }
```

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, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 166, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 166, 0);  
box-shadow:4px 4px 4px 4px rgb(255, 166,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 54.8762, 48.5324, 6.4754 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, 0) }
```

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

```
.background{ background-color: rgb(255,  
166, 0) }
```

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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