

Converting Colors

XYZ(50.9442, 41.6845, 14.4194)

Have a look what the booklet for
XYZ(50.9442, 41.6845, 14.4194)
contains.

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Color

**XYZ(51.0216, 41.8244,
14.4006)**

Conversions

Conversions Part 1

Format	Color
Hex	F89457
RGB	248, 148, 87
RGB Percent	97%, 58%, 34%
CMY	0.0275, 0.4196, 0.6588
CMYK	0.00, 0.40, 0.65, 0.03
HSL	23°, 92%, 66%
HSV	23°, 65%, 97%
XYZ	51.0216, 41.8244, 14.4006
YIQ	170.9460, 79.1810, 2.2290

Conversions

Conversions Part 2

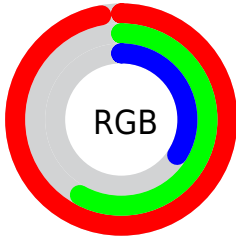
Format	Color
RYB	248, 185, 87
Decimal	16290903
CIELab	70.75, 32.44, 47.67
CIELCh	71, 57.659, 55.767
Yxy	41.8244, 0.4757, 0.3900
Android (android.graphics.Color)	4294480983 (0xFFFF89457)
YUV	170.9460, -41.3854, 67.5764
Hunter-Lab	64.6718, 27.6486, 32.0680

Details

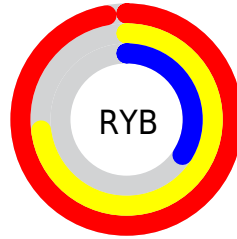
The XYZ color **51.0216, 41.8244, 14.4006** is a light color, and the websafe version is hex **FF9966**. The color can be described as light muted orange. A complement of this color would be **38.6429, 44.3417, 95.3285**, and the grayscale version is **38.8561, 40.8796, 44.5179**.

A 20% lighter version of the original color is **67.2561, 65.8360, 33.5889**, and **25.0262, 19.0705, 4.1957** is the 20% darker color. If you saturate the color by 10%, you get **47.9197, 36.9733, 9.1974**, and if you desaturate by 10%, it is **54.7949, 47.4620, 21.5445**.

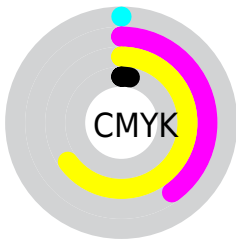
Distribution



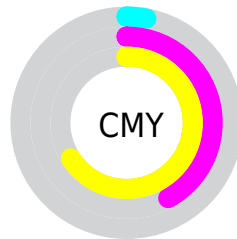
- Red (97%)
- Green (58%)
- Blue (34%)



- Red (97%)
- Yellow (73%)
- Blue (34%)



- Cyan (0%)
- Magenta (40%)
- Yellow (65%)
- Black (3%)





- Cyan (3%)
- Magenta (42%)
- Yellow (66%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 51.0216, 41.8244, 14.4006 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 51.0216, 41.8244, 14.4006 by changing the saturation by 10% instead.


 51.0216, 41.8244,
14.4006


 51.0216, 41.8244,
14.4006


381.0340,
353.7545, 231.2234

 36.4469, 28.9638,
8.2579


 90.8695, 77.9338,
34.5255

 24.9513, 19.0535,
4.1703


 116.8734,
101.9514, 49.3447


 16.1693, 11.7089,
1.7192


 147.4178,
130.4568, 67.8932

 9.7356, 6.5458,
0.3738

 182.8680,
163.8344, 90.5895

 5.2849, 3.1797,
0.0000

 223.5894,
202.4685, 117.8521

 2.4519, 1.2263,
0.0000

269.9472,

 0.8710, 0.0830,

246.7437, 150.0996

0.0000

322.3070,
297.0442, 187.7505

■ 0.0000, 0.0000,
0.0000

■ 51.0216, 41.8244,
14.4006

■ 51.0216, 41.8244,
14.4006

■ 47.9197, 36.9733,
9.1974

■ 54.7949, 47.4620,
21.5445

■ 45.4363, 32.8621,
5.7318

■ 59.2806, 53.9162,
30.7998


■ 43.5129, 29.4477,
3.7580


■ 64.5194, 61.2232,
42.3209

■ 42.7114, 27.9568,
3.1451

■ 70.5479, 69.4149,
56.2469

■ 77.4000, 78.5212,
72.7057

 85.1075, 88.5707,
91.8159

 92.5212, 98.6963,
108.7817

Harmonies

Analogous

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



58.7203, 41.8244, 26.2675



51.0216, 41.8244, 14.4006



41.1259, 41.8244, 10.6215

Triad

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



51.0216, 41.8244, 14.4006



24.0890, 41.8244, 41.7614



48.2948, 41.8244, 111.3415

Complementary

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



51.0216, 41.8244, 14.4006



38.6429, 44.3417, 95.3285

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.



38.4107, 41.8244, 120.8424



51.0216, 41.8244, 14.4006



25.3850, 41.8244, 72.4851

Square

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



51.0216, 41.8244, 14.4006



26.4050, 41.8244, 21.8723



30.2789, 41.8244, 104.4336



56.9771, 41.8244, 82.0580

Rectangle

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



51.0216, 41.8244, 14.4006



34.9625, 41.8244, 11.3332



30.2789, 41.8244, 104.4336



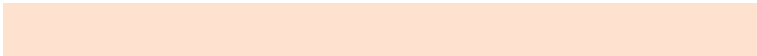
44.9619, 41.8244, 117.3540

Sweetspot

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



51.0226, 41.8266, 14.4014



79.3481, 79.5441, 69.9149



51.3012, 30.4457, 51.2980



16.5392, 16.4343, 13.8991



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.



51.0226, 41.8266, 14.4014



50.1355, 37.9050, 8.4282



67.7731, 75.3275, 19.9849



17.7836, 18.3030, 18.0579



23.1972, 15.3512, 1.7404



2.2470, 1.6188, 0.1940

Inverse Universe

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



38.6429, 44.3417, 95.3285



35.9336, 40.5580, 100.5423



26.2859, 19.6277, 91.2095



17.1810, 18.4389, 22.0388



15.5371, 16.4298, 50.3259



1.5411, 1.7259, 4.6951

Previews

White Background



This preview shows how the XYZ color 51.0216, 41.8244, 14.4006 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 51.0216, 41.8244, 14.4006 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 51.0216, 41.8244, 14.4006

Background



This preview shows how black text looks on a background with the XYZ color 51.0216, 41.8244, 14.4006.



This preview shows how white text looks on a background with the XYZ color 51.0216, 41.8244,

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

51.0216, 41.8244, 14.4006

Protanopia

38.7332, 42.1930, 17.1689

Deuteranopia

42.7480, 41.8309, 14.0047



Tritanopia

55.1089, 41.6860, 34.4198

Trichromacy



Original Color

51.0216, 41.8244, 14.4006

Protanomaly

42.5823, 41.6976, 16.1600

Deuteranomaly

45.3624, 41.6051, 14.0272

Tritanomaly

53.5024, 41.7127, 25.6535

Monochromacy



Original Color

51.0216, 41.8244, 14.4006

Achromatopsia

38.7082, 40.7240, 44.3485

Achromatomaly

41.3840, 40.2299, 30.3949

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.0216, 41.8244, 14.4006 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(248, 148, 87)` looks like.

```
.text, #text, p{  
    color:rgb(248, 148, 87)  
}
```

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(248, 148, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(248, 148, 87) }
```

Border

The CSS property to change the border of an element to XYZ 51.0216, 41.8244, 14.4006 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(248, 148, 87) }
```


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

```
.border{ border-color:rgb(248, 148, 87) }
```

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

Here you see how a box with a 4 pixel `rgb(248, 148, 87)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(248, 148, 87); -webkit-box-  
shadow:4px 4px 4px 4px rgb(248, 148, 87);  
box-shadow:4px 4px 4px 4px rgb(248, 148,  
87) }
```

Background

The CSS property to change the background color of an element to XYZ 51.0216, 41.8244, 14.4006 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(248, 148, 87) }
```

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

```
.background{ background-color: rgb(248,  
148, 87) }
```

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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