

# Converting Colors

XYZ(50.0516, 40.5569, 18.8281)

Have a look what the booklet for  
XYZ(50.0516, 40.5569, 18.8281)  
contains.

<b>XYZ(50.0351, 40.5245, 18.8205)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(50.0351, 40.5245,  
18.8205)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	F4916A
RGB	244, 145, 106
RGB Percent	96%, 57%, 42%
CMY	0.0431, 0.4313, 0.5843
CMYK	0.00, 0.41, 0.57, 0.04
HSL	17°, 86%, 69%
HSV	17°, 57%, 96%
XYZ	50.0351, 40.5245, 18.8205
YIQ	170.1550, 71.5230, 8.8590

# Conversions

## Conversions Part 2

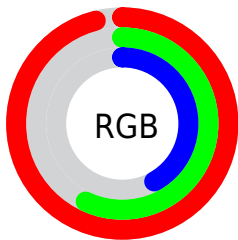
Format	Color
<a href="#">RYB</a>	244, 160, 106
Decimal	16028010
CIELab	69.84, 33.72, 36.59
CIElCh	70, 49.758, 47.344
Yxy	40.5245, 0.4574, 0.3705
Android (android.graphics.Color)	4294218090 (0xFFFF4916A)
YUV	170.1550, -31.6284, 64.7621
Hunter-Lab	63.6589, 28.8959, 27.0323

# Details

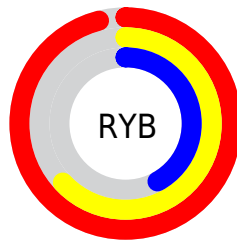
The XYZ color **50.0351, 40.5245, 18.8205** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **44.1028, 53.2554, 93.5423**, and the grayscale version is **38.4147, 40.4152, 44.0122**.

A 20% lighter version of the original color is **68.0658, 65.0372, 41.3137**, and **24.4452, 18.3245, 6.2516** is the 20% darker color. If you saturate the color by 10%, you get **46.4705, 35.1454, 12.2378**, and if you desaturate by 10%, it is **54.3747, 46.8763, 27.4427**.

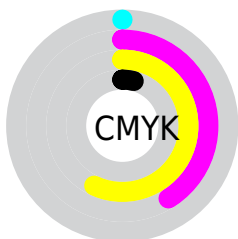
# Distribution



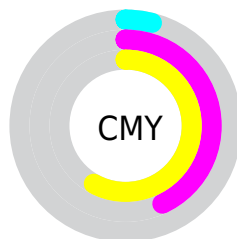
- Red (96%)
- Green (57%)
- Blue (42%)



- Red (96%)
- Yellow (63%)
- Blue (42%)



- Cyan (0%)
- Magenta (41%)
- Yellow (57%)
- Black (4%)




- Cyan (4%)
- Magenta (43%)
- Yellow (58%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 50.0351, 40.5245, 18.8205 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 50.0351, 40.5245, 18.8205 by changing the saturation by 10% instead.





 50.0351, 40.5245,  
18.8205


 50.0351, 40.5245,  
18.8205


377.2529,  
348.3293, 257.8456

 35.6592, 27.9477,  
11.3651


 89.4184, 75.9615,  
42.2632


 24.3400, 18.2863,  
6.1958


 115.1565, 99.5906,  
59.0877

 15.7121, 11.1557,  
2.8938


 145.4127,  
127.6725, 79.8722

 9.4102, 6.1717,  
1.0406

 180.5524,  
160.5918, 105.0354

 5.0690, 2.9497,  
0.0000

220.9409,  
198.7327, 134.9958

 2.3230, 1.1055,  
0.0000

266.9436,

 0.8064, 0.0000,

242.4796, 170.1720

0.0000

318.9258,  
292.2170, 210.9824

■ 0.0000, 0.0000,  
0.0000

■ 50.0351, 40.5245,  
18.8205

■ 50.0351, 40.5245,  
18.8205

■ 46.4705, 35.1454,  
12.2378

■ 54.3747, 46.8763,  
27.4427

■ 43.6276, 30.6824,  
7.5202

■ 59.5317, 54.2408,  
38.2547

■ 41.4501, 27.0825,  
4.4671

■ 65.5488, 62.6633,  
51.3950

■ 39.8697, 24.2828,  
2.8269

■ 72.4648, 72.1845,  
66.9899

■ 39.4341, 23.4852,  
2.4547

■ 80.3158, 82.8426,  
85.1566

89.1361, 94.6742,  
106.0049

91.1180, 97.9730,  
108.7160

# Harmonies

## Analogous

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



55.3353, 40.5245, 32.1427



50.0351, 40.5245, 18.8205



42.0231, 40.5245, 13.3886

# Triad

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



50.0351, 40.5245, 18.8205



25.2581, 40.5245, 35.0745



43.3379, 40.5245, 101.6939

# Complementary

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



50.0351, 40.5245, 18.8205



44.1028, 53.2554, 93.5423

# 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.



35.2121, 40.5245, 103.3468



50.0351, 40.5245, 18.8205



25.5072, 40.5245, 58.7652

# Square

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



50.0351, 40.5245, 18.8205



28.1822, 40.5245, 20.3172



28.9184, 40.5245, 85.6126



51.1129, 40.5245, 81.6701



# Rectangle

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



50.0351, 40.5245, 18.8205



36.5649, 40.5245, 13.0678



28.9184, 40.5245, 85.6126



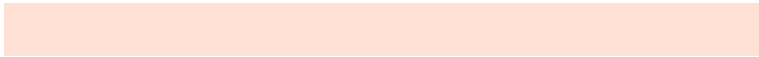
40.5380, 40.5245, 104.6150

# Sweetspot

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



50.0361, 40.5266, 18.8213



79.7092, 79.2550, 73.1527



53.7491, 34.0561, 62.9003



16.7162, 16.4915, 14.8725



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.



50.0361, 40.5266, 18.8213



50.8121, 37.9918, 12.5581



63.4031, 67.2606, 23.2769



16.8805, 17.2451, 17.2365



21.5418, 12.9692, 1.3679



1.9769, 1.3071, 0.1481



# Inverse Universe

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



44.1028, 53.2554, 93.5423



43.5633, 53.1327, 102.5673



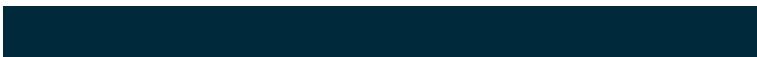
31.3904, 27.8305, 89.3048



16.5778, 17.9198, 21.1277



17.3397, 20.4732, 49.5758



1.6109, 1.9732, 4.3862



# Previews

## White Background



This preview shows how the XYZ color 50.0351, 40.5245, 18.8205 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

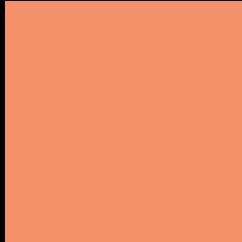
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 50.0351, 40.5245, 18.8205 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

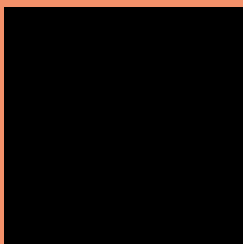
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

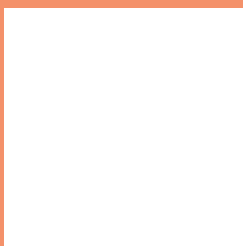
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 50.0351, 40.5245, 18.8205**

## **Background**



This preview shows how black text looks on a background with the XYZ color 50.0351, 40.5245, 18.8205.



This preview shows how white text looks on a background with the XYZ color 50.0351, 40.5245,



# 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

50.0351, 40.5245, 18.8205

### Protanopia

37.7229, 40.7011, 22.3909

### Deuteranopia

41.5079, 40.5636, 18.2122



## Tritanopia

53.0152, 40.4093, 33.4393

# Trichromacy



## Original Color

50.0351, 40.5245, 18.8205

## Protanomaly

41.2986, 40.1323, 20.8989

## Deuteranomaly

44.1554, 40.1284, 18.2503

## Tritanomaly

51.7646, 40.3360, 27.2476

# Monochromacy



## Original Color

50.0351, 40.5245, 18.8205

## Achromatopsia

38.2080, 40.1978, 43.7754

## Achromatomaly

41.0373, 39.4666, 33.0587

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 50.0351, 40.5245, 18.8205 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(244, 145, 106)` looks like.

```
.text, #text, p{  
    color:rgb(244, 145, 106)  
}
```

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(244, 145, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(244, 145, 106) }
```

## Border

The CSS property to change the border of an element to XYZ 50.0351, 40.5245, 18.8205 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(244, 145, 106) }
```



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

```
.border{ border-color:rgb(244, 145, 106) }
```

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

Here you see how a box with a 4 pixel `rgb(244, 145, 106)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(244, 145, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(244, 145, 106);  
box-shadow:4px 4px 4px 4px rgb(244, 145,  
106) }
```

# Background

The CSS property to change the background color of an element to XYZ 50.0351, 40.5245, 18.8205 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(244, 145, 106) }
```

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

```
.background{ background-color: rgb(244,  
145, 106) }
```

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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