

# Converting Colors

XYZ(53.0447, 46.3349, 24.3809)

Have a look what the booklet for  
XYZ(53.0447, 46.3349, 24.3809)  
contains.

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# Color

**XYZ(53.1663, 46.4521,  
24.2531)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F2A379
RGB	242, 163, 121
RGB Percent	95%, 64%, 47%
CMY	0.0510, 0.3608, 0.5255
CMYK	0.00, 0.33, 0.50, 0.05
HSL	21°, 82%, 71%
HSV	21°, 50%, 95%
XYZ	53.1663, 46.4521, 24.2531
YIQ	181.8330, 60.5660, 3.6860

# Conversions

## Conversions Part 2

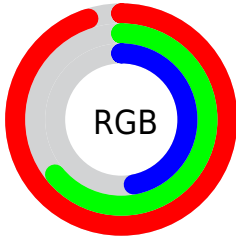
Format	Color
R <sub>Y</sub> B	242, 185, 121
Decimal	15901561
CIE Lab	73.84, 24.74, 33.66
CIE LCh	74, 41.772, 53.680
Yxy	46.4521, 0.4292, 0.3750
Android (android.graphics.Color)	4294091641 (0xFFFF2A379)
YUV	181.8330, -29.9907, 52.7665
Hunter-Lab	68.1558, 19.9699, 26.6108

# Details

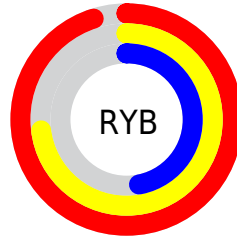
The XYZ color **53.1663, 46.4521, 24.2531** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **44.5653, 51.7818, 91.6501**, and the grayscale version is **44.5085, 46.8265, 50.9940**.

A 20% lighter version of the original color is **73.9514, 74.4588, 50.5187**, and **26.3826, 21.9040, 8.9683** is the 20% darker color. If you saturate the color by 10%, you get **49.2323, 40.6686, 16.5158**, and if you desaturate by 10%, it is **57.8253, 53.0900, 34.0692**.

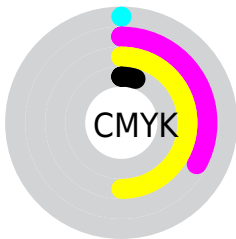
# Distribution



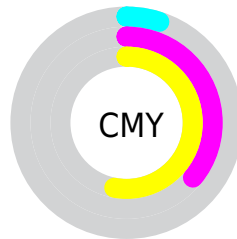
- Red (95%)
- Green (64%)
- Blue (47%)



- Red (95%)
- Yellow (73%)
- Blue (47%)



- Cyan (0%)
- Magenta (33%)
- Yellow (50%)
- Black (5%)




- Cyan (5%)
- Magenta (36%)
- Yellow (53%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 53.1663, 46.4521, 24.2531 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 53.1663, 46.4521, 24.2531 by changing the saturation by 10% instead.





 53.1663, 46.4521,  
24.2531

 53.1663, 46.4521,  
24.2531


389.1732,  
372.6233, 287.4252


 38.1636, 32.6027,  
15.3075

 94.0131, 84.8952,  
51.3919

 26.2874, 21.8223,  
8.8865


 120.5879,  
110.2577, 70.4222

 17.1726, 13.7264,  
4.5714


 151.7507,  
140.2267, 93.6512

 10.4537, 7.9306,  
1.9438

187.8670,  
175.1867, 121.4975

 5.7654, 4.0506,  
0.5204

229.3020,  
215.5219, 154.3794

 2.7422, 1.7019,  
0.0000

276.4212,

 1.0190, 0.4249,

261.6168, 192.7157

0.0000

329.5898,  
313.8558, 236.9248

■ 0.0000, 0.0000,  
0.0000

■ 53.1663, 46.4521,  
24.2531

■ 53.1663, 46.4521,  
24.2531

■ 49.2323, 40.6686,  
16.5158

■ 57.8253, 53.0900,  
34.0692

■ 45.9786, 35.6956,  
10.7009

■ 63.2435, 60.6099,  
46.0996

■ 43.3602, 31.4950,  
6.6338

■ 69.4569, 69.0468,  
60.4711

■ 41.3239, 28.0221,  
4.1060

■ 76.4980, 78.4313,  
77.3003

■ 39.7891, 25.2198,  
2.7708

■ 84.3973, 88.7927,  
96.6959

■ 39.7890, 25.2196,  
2.7708

■ 90.4278, 97.6172,  
108.6837

# Harmonies

## Analogous

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



58.5717, 46.4521, 35.8593



53.1663, 46.4521, 24.2531



45.7428, 46.4521, 19.8344

# Triad

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



53.1663, 46.4521, 24.2531



31.4181, 46.4521, 46.2066



50.1422, 46.4521, 98.0707

# Complementary

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



53.1663, 46.4521, 24.2531



44.5653, 51.7818, 91.6501

# 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.



42.5972, 46.4521, 103.1261



53.1663, 46.4521, 24.2531



32.3163, 46.4521, 68.8579

# Square

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



53.1663, 46.4521, 24.2531



33.6106, 46.4521, 30.0070



36.2178, 46.4521, 91.2322



56.6933, 46.4521, 78.8926



# Rectangle

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



53.1663, 46.4521, 24.2531



40.8576, 46.4521, 20.3272



36.2178, 46.4521, 91.2322



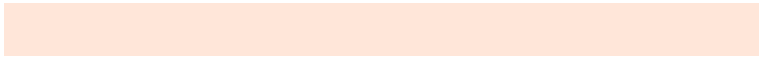
47.6175, 46.4521, 101.6662

# Sweetspot

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



53.1674, 46.4544, 24.2540



82.0367, 82.8664, 77.1463



54.0766, 36.8008, 59.9236



17.2052, 17.2640, 15.6691



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.



53.1674, 46.4544, 24.2540



55.3787, 45.7002, 18.4726



66.1461, 72.4117, 28.5802



16.2215, 16.6562, 16.5097



21.4901, 13.7783, 1.5268



1.8775, 1.3256, 0.1569



# Inverse Universe

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



44.5653, 51.7818, 91.6501



44.6231, 52.2320, 102.3376



33.4619, 29.5751, 87.9490



15.7586, 16.9514, 20.1630



15.3098, 16.8438, 47.5721

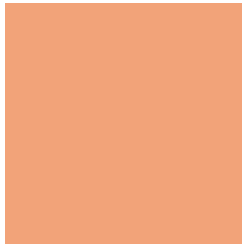


1.3662, 1.5864, 3.9884



# Previews

## White Background



This preview shows how the XYZ color 53.1663, 46.4521, 24.2531 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 53.1663, 46.4521, 24.2531 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

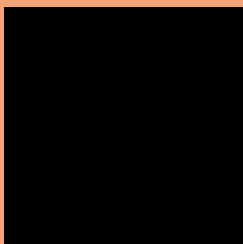
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 53.1663, 46.4521, 24.2531

## Background



This preview shows how black text looks on a background with the XYZ color 53.1663, 46.4521, 24.2531.



This preview shows how white text looks on a background with the XYZ color 53.1663, 46.4521,



# 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

53.1663, 46.4521, 24.2531

### Protanopia

43.4553, 46.7766, 27.5073

### Deuteranopia

47.6792, 46.6641, 23.9469



## Tritanopia

57.1309, 46.5339, 43.0166

# Trichromacy



## Original Color

53.1663, 46.4521, 24.2531

## Protanomaly

46.5364, 46.3124, 26.2251

## Deuteranomaly

49.4434, 46.4364, 24.1265

## Tritanomaly

55.6402, 46.4431, 35.3100

# Monochromacy



## Original Color

53.1663, 46.4521, 24.2531

## Achromatopsia

44.4628, 46.7784, 50.9417

## Achromatomaly

46.5770, 46.0354, 39.6886

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 53.1663, 46.4521, 24.2531 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(242, 163, 121)` looks like.

```
.text, #text, p{  
    color:rgb(242, 163, 121)  
}
```

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(242, 163, 121) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 163, 121) }
```

## Border

The CSS property to change the border of an element to XYZ 53.1663, 46.4521, 24.2531 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(242, 163, 121) }
```



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

```
.border{ border-color:rgb(242, 163, 121) }
```

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

Here you see how a box with a 4 pixel rgb(242, 163, 121) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 163, 121); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 163, 121);  
box-shadow:4px 4px 4px 4px rgb(242, 163,  
121) }
```

# Background

The CSS property to change the background color of an element to XYZ 53.1663, 46.4521, 24.2531 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 163, 121) }
```

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

```
.background{ background-color: rgb(242,  
163, 121) }
```

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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