

# Converting Colors

XYZ(50.7022, 41.6982, 23.4031)

Have a look what the booklet for  
XYZ(50.7022, 41.6982, 23.4031)  
contains.

<b>XYZ(50.8166, 41.7526, 23.4699)</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(50.8166, 41.7526,  
23.4699)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F29579
RGB	242, 149, 121
RGB Percent	95%, 58%, 47%
CMY	0.0510, 0.4157, 0.5255
CMYK	0.00, 0.38, 0.50, 0.05
HSL	14°, 82%, 71%
HSV	14°, 50%, 95%
XYZ	50.8166, 41.7526, 23.4699
YIQ	173.6150, 64.4160, 11.0080

# Conversions

## Conversions Part 2

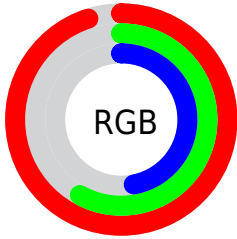
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	242, 157, 121
Decimal	15897977
CIE <sub>Lab</sub>	70.70, 32.11, 29.57
CIE <sub>LCh</sub>	71, 43.645, 42.642
Yxy	41.7526, 0.4379, 0.3598
Android (android.graphics.Color)	4294088057 (0xFFFF29579)
YUV	173.6150, -25.9392, 59.9736
Hunter-Lab	64.6163, 27.3005, 23.6961

# Details

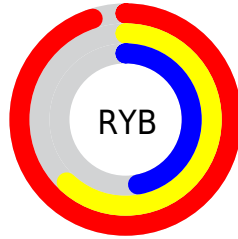
The XYZ color **50.8166, 41.7526, 23.4699** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **47.9575, 58.5662, 92.7810**, and the grayscale version is **40.1413, 42.2317, 45.9904**.

A 20% lighter version of the original color is **70.4728, 67.5017, 49.3592**, and **24.7358, 18.9624, 8.4873** is the 20% darker color. If you saturate the color by 10%, you get **46.8033, 35.8105, 15.7061**, and if you desaturate by 10%, it is **55.6741, 48.7876, 33.3521**.

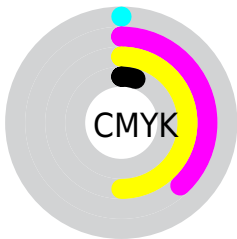
# Distribution



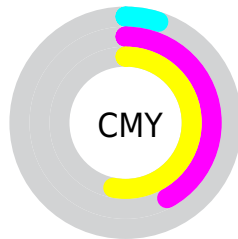
- Red (95%)
- Green (58%)
- Blue (47%)



- Red (95%)
- Yellow (62%)
- Blue (47%)



- Cyan (0%)
- Magenta (38%)
- Yellow (50%)
- Black (5%)



- Cyan (5%)
- Magenta (42%)
- Yellow (53%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 50.8166, 41.7526, 23.4699 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 50.8166, 41.7526, 23.4699 by changing the saturation by 10% instead.



50.8166, 41.7526,  
23.4699

50.8166, 41.7526,  
23.4699

380.2502,  
353.4563, 283.3291

36.2831, 28.9076,  
14.7323

90.5682, 77.8251,  
50.0967

24.8241, 19.0109,  
8.4872

116.5171,  
101.8213, 68.8230

16.0741, 11.6782,  
4.3160

147.0018,  
130.3035, 91.7159

9.6677, 6.5249,  
1.8003

182.3877,  
163.6559, 119.1940

5.2398, 3.1668,  
0.4281

223.0401,  
202.2630, 151.6759

2.4248, 1.2194,  
0.0000

269.3244,

0.8575, 0.0775,

246.5092, 189.5800

0.0000

321.6060,  
296.7788, 233.3249

0.0000, 0.0000,  
0.0000

50.8166, 41.7526,  
23.4699

50.8166, 41.7526,  
23.4699

46.8033, 35.8105,  
15.7061

55.6741, 48.7876,  
33.3521

43.5804, 30.8992,  
9.9015

61.4190, 56.9608,  
45.4914

41.0925, 26.9596,  
5.8778

68.0950, 66.3229,  
60.0171

39.2746, 23.9236,  
3.4229

75.7420, 76.9192,  
77.0483

38.0326, 21.7068,  
2.1853

84.3975, 88.7929,  
96.6959

■ 38.0326, 21.7066,  
2.1853

■ 90.4279, 97.6172,  
108.6837

# Harmonies

## Analogous

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



54.8567, 41.7526, 37.2916



50.8166, 41.7526, 23.4699



43.9792, 41.7526, 17.0620

# Triad

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



50.8166, 41.7526, 23.4699



27.8379, 41.7526, 34.5858



42.8060, 41.7526, 96.4384

# Complementary

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



50.8166, 41.7526, 23.4699



47.9575, 58.5662, 92.7810

# 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.



35.6791, 41.7526, 95.0448



50.8166, 41.7526, 23.4699



27.6047, 41.7526, 54.7451

# Square

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



50.8166, 41.7526, 23.4699



30.9912, 41.7526, 22.0099



30.3100, 41.7526, 78.1238



49.8684, 41.7526, 81.4959



# Rectangle

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



50.8166, 41.7526, 23.4699



39.0472, 41.7526, 16.1569



30.3100, 41.7526, 78.1238



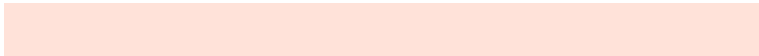
40.3289, 41.7526, 97.9703

# Sweetspot

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



50.8176, 41.7547, 23.4707



80.8204, 80.4338, 76.7409



55.8221, 37.4989, 69.1149



16.9148, 16.6833, 15.5723



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.



50.8176, 41.7547, 23.4707



52.6426, 40.2280, 17.5606



62.5560, 65.2315, 27.3835



16.0697, 16.3524, 16.4591



20.5171, 11.8322, 1.2025



1.7802, 1.1311, 0.1245



# Inverse Universe

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



47.9575, 58.5662, 92.7810



49.0147, 61.0151, 103.8015



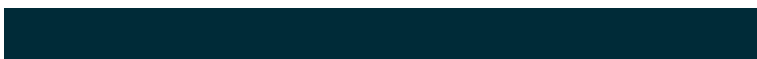
35.6810, 34.0133, 88.6888



15.9192, 17.2724, 20.2165



18.1503, 22.5248, 48.5190



1.5843, 2.0227, 4.0611



# Previews

## White Background



This preview shows how the XYZ color 50.8166, 41.7526, 23.4699 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 50.8166, 41.7526, 23.4699 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 50.8166, 41.7526, 23.4699**

## **Background**



This preview shows how black text looks on a background with the XYZ color 50.8166, 41.7526, 23.4699.



This preview shows how white text looks on a background with the XYZ color 50.8166, 41.7526,

23.4699.

# 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

50.8166, 41.7526, 23.4699

### Protanopia

39.0479, 41.8401, 27.4906

### Deuteranopia

42.6384, 41.8458, 22.9693



## Tritanopia

53.5458, 41.7256, 36.2420

# Trichromacy



## Original Color

50.8166, 41.7526, 23.4699

## Protanomaly

42.5598, 41.2050, 25.7889

## Deuteranomaly

45.4158, 41.6892, 23.1059

## Tritanomaly

52.5450, 41.7740, 31.2804

# Monochromacy



## Original Color

50.8166, 41.7526, 23.4699

## Achromatopsia

40.2316, 42.3268, 46.0938

## Achromatomaly

42.9247, 41.4189, 36.7426

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 50.8166, 41.7526, 23.4699 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, 149, 121)` looks like.

```
.text, #text, p{  
    color:rgb(242, 149, 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, 149, 121) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 149, 121) }
```

## Border

The CSS property to change the border of an element to XYZ 50.8166, 41.7526, 23.4699 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, 149, 121) }
```



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

```
.border{ border-color:rgb(242, 149, 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, 149, 121)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(242, 149, 121); -webkit-box-shadow:4px 4px 4px 4px rgb(242, 149, 121); box-shadow:4px 4px 4px 4px rgb(242, 149, 121) }
```

# Background

The CSS property to change the background color of an element to XYZ 50.8166, 41.7526, 23.4699 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 149, 121) }
```

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

```
.background{ background-color: rgb(242,  
149, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor