

# Converting Colors

XYZ(50.0607, 53.4056, 24.8455)

Have a look what the booklet for  
XYZ(50.0607, 53.4056, 24.8455)  
contains.

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# Color

**XYZ(50.1440, 53.4544,  
24.8144)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D7C076
RGB	215, 192, 118
RGB Percent	84%, 75%, 46%
CMY	0.1569, 0.2470, 0.5372
CMYK	0.00, 0.11, 0.45, 0.16
HSL	46°, 55%, 65%
HSV	46°, 45%, 84%
XYZ	50.1440, 53.4544, 24.8144
YIQ	190.4410, 37.4620, -18.1380

# Conversions

## Conversions Part 2

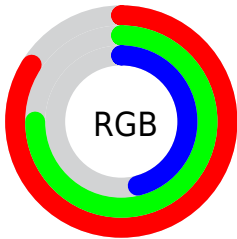
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">148, 215, 118</a>
Decimal	<a href="#">14139510</a>
<a href="#">CIELab</a>	<a href="#">78.14, -1.77, 40.15</a>
<a href="#">CIElCh</a>	<a href="#">78, 40.189, 92.527</a>
<a href="#">Yxy</a>	<a href="#">53.4544, 0.3905, 0.4163</a>
<a href="#">Android (android.graphics.Color)</a>	<a href="#">4292329590 (0xFFD7C076)</a>
<a href="#">YUV</a>	<a href="#">190.4410, -35.7134, 21.5382</a>
<a href="#">Hunter-Lab</a>	<a href="#">73.1125, -5.5232, 31.0557</a>

# Details

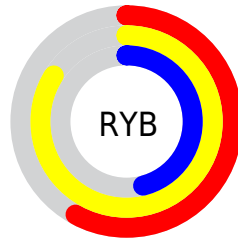
The XYZ color **50.1440, 53.4544, 24.8144** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **29.2615, 27.8066, 68.1148**, and the grayscale version is **49.3837, 51.9555, 56.5795**.

A 20% lighter version of the original color is **82.1581, 91.3351, 51.8273**, and **24.3766, 26.1517, 9.2318** is the 20% darker color. If you saturate the color by 10%, you get **47.9098, 50.8029, 18.4688**, and if you desaturate by 10%, it is **52.7108, 56.3049, 32.7087**.

# Distribution



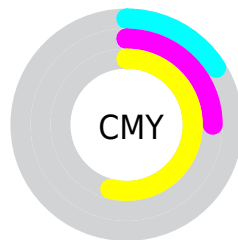
- Red (84%)
- Green (75%)
- Blue (46%)



- Red (58%)
- Yellow (84%)
- Blue (46%)



- Cyan (0%)
- Magenta (11%)
- Yellow (45%)
- Black (16%)




- Cyan (16%)
- Magenta (25%)
- Yellow (54%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 50.1440, 53.4544, 24.8144 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 50.1440, 53.4544, 24.8144 by changing the saturation by 10% instead.





 50.1440, 53.4544,  
24.8144


 50.1440, 53.4544,  
24.8144


377.6715,  
400.0260, 290.3304

 35.7461, 38.1656,  
15.7211


 89.5787, 95.2727,  
52.3163

 24.4074, 26.1113,  
9.1748


 115.3463,  
122.5710, 71.5620

 15.7624, 16.9069,  
4.7570


 145.6344,  
154.6413, 95.0289

 9.4460, 10.1681,  
2.0492

180.8085,  
191.8679, 123.1356

 5.0926, 5.5106,  
0.5853

221.2339,  
234.6353, 156.3005

 2.3370, 2.5498,  
0.0000

267.2760,

 0.8135, 0.9015,

283.3279, 194.9423

0.0000

319.3000,  
338.3300, 239.4794

0.0000, 0.0000,  
0.0000

50.1440, 53.4544,  
24.8144

50.1440, 53.4544,  
24.8144

47.9098, 50.8029,  
18.4688

52.7108, 56.3049,  
32.7087

45.9839, 48.3341,  
13.5628

55.6248, 59.3549,  
42.2441

44.3445, 46.0407,  
9.9786

58.9044, 62.6144,  
53.5097

42.9651, 43.9115,  
7.5779

62.5654, 66.0903,  
66.5872

41.8131, 41.9327,  
6.1917

66.6227, 69.7891,  
81.5531

■ 41.3055, 41.0096,  
5.7386

■ 71.0903, 73.7170,  
98.4793

■ 73.7305, 76.9795,  
105.5803

■ 75.1508, 79.8202,  
106.0537

■ 76.6128, 82.7441,  
106.5410

# Harmonies

## Analogous

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



58.0939, 53.4544, 27.6542



50.1440, 53.4544, 24.8144



43.1143, 53.4544, 28.8314

# Triad

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



50.1440, 53.4544, 24.8144



39.1122, 53.4544, 84.6818



65.4117, 53.4544, 80.5122

# Complementary

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



50.1440, 53.4544, 24.8144



29.2615, 27.8066, 68.1148

# 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.



59.3638, 53.4544, 102.7934



50.1440, 53.4544, 24.8144



44.1561, 53.4544, 105.6043

# Square

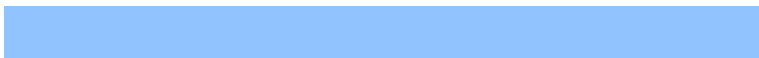
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



50.1440, 53.4544, 24.8144



37.1686, 53.4544, 60.1302



51.4754, 53.4544, 112.9588



67.4294, 53.4544, 56.3170



# Rectangle

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



50.1440, 53.4544, 24.8144



39.7431, 53.4544, 35.6636



51.4754, 53.4544, 112.9588



63.7539, 53.4544, 88.6661

# Sweetspot

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



50.1453, 53.4569, 24.8155



87.1851, 92.6290, 80.5091



39.4044, 29.3650, 29.2815



18.4235, 19.5956, 16.3993



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.



50.1453, 53.4569, 24.8155



70.6848, 74.9839, 27.6701



48.9937, 60.9528, 26.3231



13.2117, 13.9977, 13.1662



24.7910, 24.6993, 3.4608



1.5569, 1.6130, 0.2293



# Inverse Universe

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



29.2615, 27.8066, 68.1148



36.3237, 32.8172, 99.0276



29.9429, 23.6367, 67.2740



11.9792, 12.4819, 15.7154



8.1122, 4.4862, 38.8915

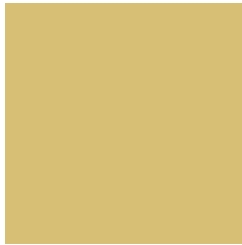


0.5540, 0.4001, 2.3673



# Previews

## White Background



This preview shows how the XYZ color 50.1440, 53.4544, 24.8144 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 50.1440, 53.4544, 24.8144 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 50.1440, 53.4544, 24.8144

## Background



This preview shows how black text looks on a background with the XYZ color 50.1440, 53.4544, 24.8144.



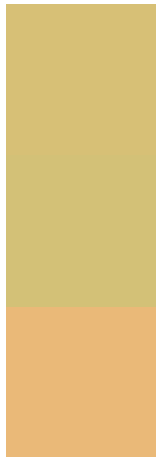
This preview shows how white text looks on a background with the XYZ color 50.1440, 53.4544,



# 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

50.1440, 53.4544, 24.8144

### Protanopia

49.2637, 53.3207, 25.1482

### Deuteranopia

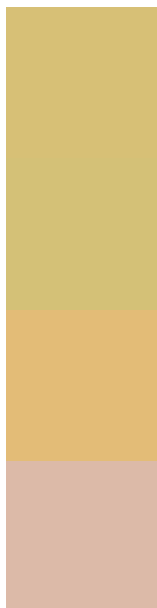
54.6708, 53.5464, 25.2233



## Tritanopia

57.4430, 53.5862, 60.1389

# Trichromacy



## Original Color

50.1440, 53.4544, 24.8144

## Protanomaly

49.5511, 53.4689, 25.1617

## Deuteranomaly

52.9915, 53.6292, 25.0113

## Tritanomaly

54.1420, 53.1606, 44.4532

# Monochromacy



## Original Color

50.1440, 53.4544, 24.8144

## Achromatopsia

48.9429, 51.4918, 56.0745

## Achromatomaly

48.8848, 52.0841, 42.5987

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 50.1440, 53.4544, 24.8144 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(215, 192, 118)` looks like.

```
.text, #text, p{  
    color:rgb(215, 192, 118)  
}
```

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(215, 192, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 192, 118) }
```

## Border

The CSS property to change the border of an element to XYZ 50.1440, 53.4544, 24.8144 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(215, 192, 118) }
```



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

```
.border{ border-color:rgb(215, 192, 118) }
```

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

Here you see how a box with a 4 pixel `rgb(215, 192, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(215, 192, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(215, 192, 118);  
box-shadow:4px 4px 4px 4px rgb(215, 192,  
118) }
```

# Background

The CSS property to change the background color of an element to XYZ 50.1440, 53.4544, 24.8144 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 192, 118) }
```

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

```
.background{ background-color: rgb(215,  
192, 118) }
```

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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