

# Converting Colors

XYZ(54.4185, 61.2650, 36.9943)

Have a look what the booklet for  
XYZ(54.4185, 61.2650, 36.9943)  
contains.

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# Color

**XYZ(54.4403, 61.2944,  
36.9787)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	D1D194
RGB	209, 209, 148
RGB Percent	82%, 82%, 58%
CMY	0.1804, 0.1804, 0.4196
CMYK	0.00, 0.00, 0.29, 0.18
HSL	60°, 40%, 70%
HSV	60°, 29%, 82%
XYZ	54.4403, 61.2944, 36.9787
YIQ	202.0460, 19.5810, -18.9710

# Conversions

## Conversions Part 2

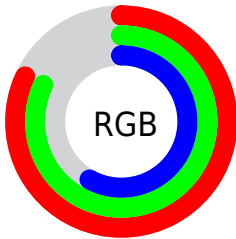
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	148, 209, 148
Decimal	13750676
CIE Lab	82.54, -9.49, 30.35
CIE LCh	83, 31.801, 107.361
Yxy	61.2944, 0.3565, 0.4014
Android (android.graphics.Color)	4291940756 (0xFFD1D194)
YUV	202.0460, -26.6447, 6.0987
Hunter-Lab	78.2907, -12.8869, 26.7993

# Details

The XYZ color **54.4403, 61.2944, 36.9787** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **34.3136, 32.0808, 64.7088**, and the grayscale version is **56.3216, 59.2547, 64.5284**.

A 20% lighter version of the original color is **87.6607, 97.0443, 69.9883**, and **27.2054, 31.1758, 15.8929** is the 20% darker color. If you saturate the color by 10%, you get **52.9333, 60.6937, 29.0386**, and if you desaturate by 10%, it is **56.2492, 62.0201, 46.4947**.

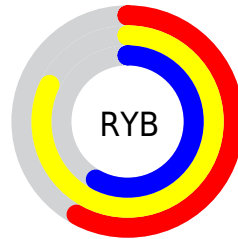
# Distribution



Red (82%)

Green (82%)

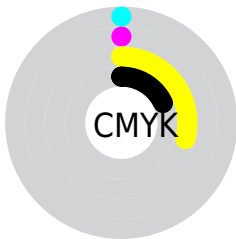
Blue (58%)



Red (58%)

Yellow (82%)

Blue (58%)

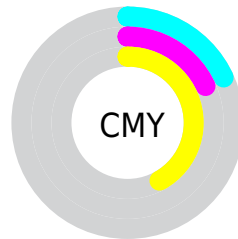


Cyan (0%)

Magenta (0%)

Yellow (29%)

Black (18%)



Cyan (18%)

Magenta (18%)

Yellow (42%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 54.4403, 61.2944, 36.9787 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 54.4403, 61.2944, 36.9787 by changing the saturation by 10% instead.



■ 54.4403, 61.2944,  
36.9787

■ 54.4403, 61.2944,  
36.9787

393.9578,  
429.3526, 348.3842

■ 39.1859, 44.4628,  
24.8953

■ 95.8735, 106.7051,  
71.7260

■ 27.0857, 31.0345,  
15.7808

■ 122.7830,  
136.0530, 95.2270

■ 17.7745, 20.6251,  
9.2165

154.3083,  
170.3417, 123.3710

■ 10.8869, 12.8503,  
4.7839

190.8146,  
209.9558, 156.5764

■ 6.0576, 7.3255,  
2.0645

232.6673,  
255.2795, 195.2620

■ 2.9211, 3.6665,  
0.5945

280.2319,

■ 1.1122, 1.4888,

306.6973, 239.8461

0.0000

333.8736,  
364.5935, 290.7473

■ 0.0353, 0.2808,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 54.4403, 61.2944,  
36.9787

■ 54.4403, 61.2944,  
36.9787

■ 52.9333, 60.6937,  
29.0386

■ 56.2492, 62.0201,  
46.4947

■ 51.7074, 60.2033,  
22.5857

■ 58.3702, 62.8686,  
57.6609

■ 50.7466, 59.8189,  
17.5286

■ 60.8186, 63.8480,  
70.5519

■ 50.0312, 59.5327,  
13.7644

■ 63.6077, 64.9637,  
85.2363

■ 49.5392, 59.3358,  
11.1758

■ 66.7497, 66.2206,  
101.7792

■ 49.2441, 59.2177,  
9.6244

■ 67.1494, 66.3805,  
103.8813

■ 49.1022, 59.1609,  
8.8800

■ 67.1499, 66.3808,  
103.8813

■ 49.0929, 59.1571,  
8.8310

■ 67.1504, 66.3810,  
103.8814

■ 67.1509, 66.3813,  
103.8814

# Harmonies

## Analogous

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



61.1691, 61.2944, 36.4422



54.4403, 61.2944, 36.9787



49.1523, 61.2944, 44.4353

# Triad

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



54.4403, 61.2944, 36.9787



49.8361, 61.2944, 98.2799



71.9832, 61.2944, 75.2802

# Complementary

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



54.4403, 61.2944, 36.9787



34.3136, 32.0808, 64.7088

# Split Complementary

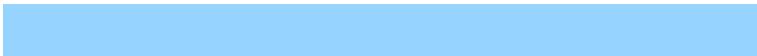
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



68.4251, 61.2944, 95.4810



54.4403, 61.2944, 36.9787



55.4417, 61.2944, 110.3951

# Square

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



54.4403, 61.2944, 36.9787



46.6397, 61.2944, 78.5584



62.2512, 61.2944, 109.2811



71.6624, 61.2944, 56.1692



# Rectangle

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



54.4403, 61.2944, 36.9787



46.9960, 61.2944, 53.3274



62.2512, 61.2944, 109.2811



71.1903, 61.2944, 82.2299

# Sweetspot

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



54.4419, 61.2972, 36.9800



91.5719, 98.6087, 90.5882



42.2317, 36.8748, 32.9095



19.4884, 21.0616, 18.8015



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.



54.4419, 61.2972, 36.9800



83.8572, 95.5226, 49.9742



46.6232, 57.2665, 36.6141



12.8034, 13.7976, 12.6004



30.2674, 36.4724, 5.4446



1.6924, 2.0393, 0.3044



# Inverse Universe

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



34.3136, 32.0808, 64.7088



47.3159, 42.4824, 100.3139



40.5755, 35.3089, 65.0019



11.1638, 11.4178, 14.8591



7.0961, 2.8384, 37.3664



0.3968, 0.1587, 2.0893



# Previews

## White Background



This preview shows how the XYZ color 54.4403, 61.2944, 36.9787 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 54.4403, 61.2944, 36.9787 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

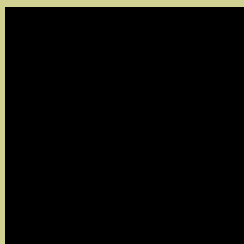
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

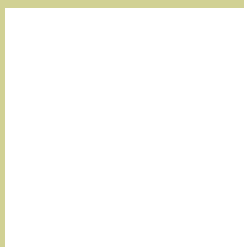
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 54.4403, 61.2944, 36.9787**

## **Background**



This preview shows how black text looks on a background with the XYZ color 54.4403, 61.2944, 36.9787.



This preview shows how white text looks on a background with the XYZ color 54.4403, 61.2944,



# 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

54.4403, 61.2944, 36.9787

### Protanopia

56.8384, 61.1101, 35.9939

### Deuteranopia

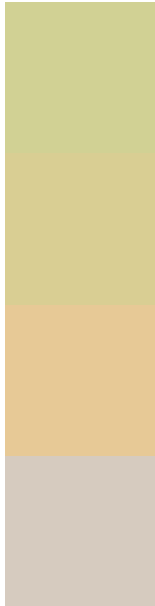
62.5143, 61.2216, 37.8002



## Tritanopia

61.6642, 61.0181, 73.4934

# Trichromacy



## Original Color

54.4403, 61.2944, 36.9787

## Protanomaly

55.9530, 61.0009, 36.4291

## Deuteranomaly

59.3467, 60.9642, 37.4935

## Tritanomaly

58.4915, 60.7696, 57.9371

# Monochromacy



## Original Color

54.4403, 61.2944, 36.9787

## Achromatopsia

56.1383, 59.0619, 64.3184

## Achromatomaly

55.4517, 60.0192, 52.9182

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 54.4403, 61.2944, 36.9787 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(209, 209, 148)` looks like.

```
.text, #text, p{  
    color:rgb(209, 209, 148)  
}
```

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(209, 209, 148) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 209, 148) }
```

## Border

The CSS property to change the border of an element to XYZ 54.4403, 61.2944, 36.9787 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(209, 209, 148) }
```



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

```
.border{ border-color:rgb(209, 209, 148) }
```

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

Here you see how a box with a 4 pixel `rgb(209, 209, 148)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(209, 209, 148); -webkit-box-shadow:4px 4px 4px 4px rgb(209, 209, 148); box-shadow:4px 4px 4px 4px rgb(209, 209, 148) }
```

# Background

The CSS property to change the background color of an element to XYZ 54.4403, 61.2944, 36.9787 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 209, 148) }
```

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

```
.background{ background-color: rgb(209,  
209, 148) }
```

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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