

Converting Colors

XYZ(51.3787, 54.3975, 44.4962)

Have a look what the booklet for
XYZ(51.3787, 54.3975, 44.4962)
contains.

XYZ(51.1687, 54.2110, 44.3261)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(51.1687, 54.2110,
44.3261)**

Conversions

Conversions Part 1

Format	Color
Hex	CCC2A7
RGB	204, 194, 167
RGB Percent	80%, 76%, 65%
CMY	0.2000, 0.2392, 0.3451
CMYK	0.00, 0.05, 0.18, 0.20
HSL	44°, 27%, 73%
HSV	44°, 18%, 80%
XYZ	51.1687, 54.2110, 44.3261
YIQ	193.9120, 14.6270, -6.2770

Conversions

Conversions Part 2

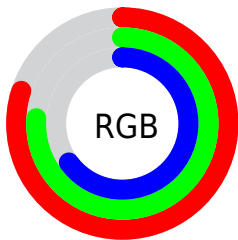
Format	Color
RYB	181, 204, 167
Decimal	13419175
CIELab	78.58, -0.94, 14.85
CIELCh	79, 14.879, 93.639
Yxy	54.2110, 0.3418, 0.3621
Android (android.graphics.Color)	4291609255 (0xFFCCC2A7)
YUV	193.9120, -13.2676, 8.8472
Hunter-Lab	73.6281, -4.7986, 15.8455

Details

The XYZ color **51.1687, 54.2110, 44.3261** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **42.5574, 44.0184, 63.3805**, and the grayscale version is **51.2973, 53.9687, 58.7720**.

A 20% lighter version of the original color is **88.6104, 94.9051, 82.7555**, and **25.0503, 26.4780, 20.0101** is the 20% darker color. If you saturate the color by 10%, you get **48.2262, 51.1094, 34.7634**, and if you desaturate by 10%, it is **54.4572, 57.5274, 55.4731**.

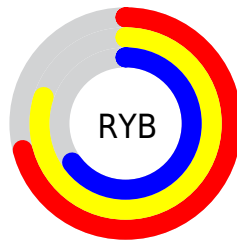
Distribution



Red (80%)

Green (76%)

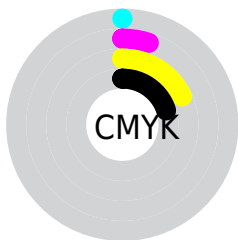
Blue (65%)



Red (71%)

Yellow (80%)

Blue (65%)

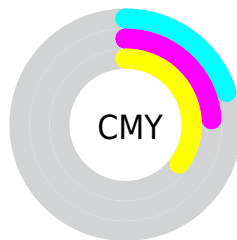


Cyan (0%)

Magenta (5%)

Yellow (18%)

Black (20%)



Cyan (20%)

Magenta (24%)

Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 51.1687, 54.2110, 44.3261 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 51.1687, 54.2110, 44.3261 by changing the saturation by 10% instead.

■ 51.1687, 54.2110,
44.3261

■ 51.1687, 54.2110,
44.3261

381.5957,
402.9141, 380.1176

■ 36.5645, 38.7704,
30.5879

■ 91.0856, 96.3840,
83.0159

■ 25.0426, 26.5811,
20.0294

■ 117.1290,
123.8851, 108.8046

■ 16.2377, 17.2589,
12.2321

147.7161,
156.1752, 139.4472

■ 9.7844, 10.4193,
6.7775

183.2124,
193.6387, 175.3622

■ 5.3174, 5.6778,
3.2470

223.9831,
236.6599, 216.9682

■ 2.4713, 2.6502,
1.2221

270.3937,

■ 0.8808, 0.9520,

285.6233, 264.6838

0.0000

322.8094,
340.9132, 318.9274

■ 0.0000, 0.0000,
0.0000

■ 51.1687, 54.2110,
44.3261

■ 51.1687, 54.2110,
44.3261

■ 48.2262, 51.1094,
34.7634

■ 54.4572, 57.5274,
55.4731

■ 45.6109, 48.2089,
26.7082

■ 58.1007, 61.0576,
68.2697

■ 43.3087, 45.5049,
20.0823

■ 62.1134, 64.8097,
82.7815

■ 41.3027, 42.9898,
14.7991

■ 66.5075, 68.7894,
99.0696

■ 39.5742, 40.6552,
10.7627

■ 68.9568, 72.0671,
104.8837

■ 38.1021, 38.4920,
7.8641

■ 70.4408, 75.0351,
105.3783

■ 36.8615, 36.4894,
5.9755

■ 71.9731, 78.0996,
105.8891

■ 35.8158, 34.6317,
4.9060

■ 73.5540, 81.2615,
106.4161

■ 35.6319, 34.2973,
4.7420

■ 75.1841, 84.5217,
106.9594

Harmonies

Analogous

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



54.0717, 54.2110, 45.7012



51.1687, 54.2110, 44.3261



48.4636, 54.2110, 46.5713

Triad

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



51.1687, 54.2110, 44.3261



46.9704, 54.2110, 68.4367



56.7478, 54.2110, 66.4951

Complementary

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



51.1687, 54.2110, 44.3261



42.5574, 44.0184, 63.3805

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.



54.7147, 54.2110, 73.5253



51.1687, 54.2110, 44.3261



49.0614, 54.2110, 74.7189

Square

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



51.1687, 54.2110, 44.3261



46.0984, 54.2110, 60.0580



51.8848, 54.2110, 76.6634



57.3635, 54.2110, 58.0070

Rectangle

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



51.1687, 54.2110, 44.3261



47.1151, 54.2110, 49.9565



51.8848, 54.2110, 76.6634



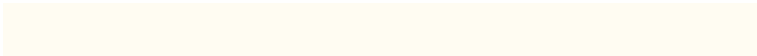
56.2038, 54.2110, 69.1329

Sweetspot

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



51.1701, 54.2134, 44.3272



91.9756, 97.0278, 98.0820



46.7052, 43.6691, 47.8160



19.5967, 20.6801, 20.6804



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.



51.1701, 54.2134, 44.3272



82.6515, 87.6075, 66.5257



51.3290, 57.7097, 44.9937



11.8876, 12.5641, 11.8780



22.5075, 21.7479, 3.0115



1.2219, 1.2434, 0.1756

Inverse Universe

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



42.5574, 44.0184, 63.3805



65.6373, 67.4697, 104.1712



42.4014, 41.1137, 62.8281



10.8442, 11.3289, 14.1855



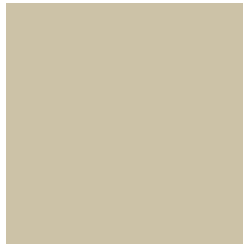
7.7900, 4.6039, 36.4343



0.4661, 0.3659, 1.9010

Previews

White Background



This preview shows how the XYZ color 51.1687, 54.2110, 44.3261 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 51.1687, 54.2110, 44.3261 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

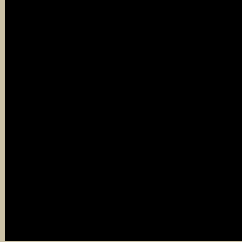
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 51.1687, 54.2110, 44.3261

Background



This preview shows how black text looks on a background with the XYZ color 51.1687, 54.2110, 44.3261.

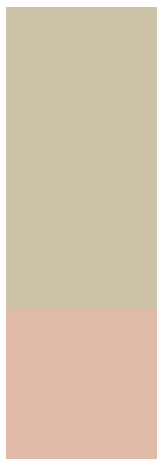


This preview shows how white text looks on a background with the XYZ color 51.1687, 54.2110,

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

51.1687, 54.2110, 44.3261

Protanopia

51.1687, 54.2110, 44.3261

Deuteranopia

55.2696, 54.0558, 44.5666



Tritanopia

55.3912, 54.3101, 64.6902

Trichromacy



Original Color

51.1687, 54.2110, 44.3261

Protanomaly

51.1687, 54.2110, 44.3261

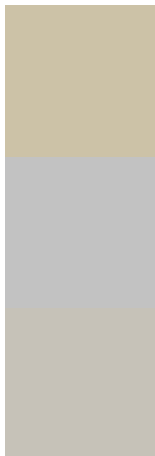
Deuteranomaly

53.8002, 54.2530, 44.6821

Tritanomaly

53.7669, 54.2886, 56.9351

Monochromacy



Original Color

51.1687, 54.2110, 44.3261

Achromatopsia

51.2775, 53.9479, 58.7493

Achromatomaly

51.2322, 54.0500, 53.0799

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.1687, 54.2110, 44.3261 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(204, 194, 167)` looks like.

```
.text, #text, p{  
    color:rgb(204, 194, 167)  
}
```

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(204, 194, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 194, 167) }
```

Border

The CSS property to change the border of an element to XYZ 51.1687, 54.2110, 44.3261 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(204, 194, 167) }
```


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

```
.border{ border-color:rgb(204, 194, 167) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 194, 167)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(204, 194, 167); -webkit-box-shadow:4px 4px 4px 4px rgb(204, 194, 167); box-shadow:4px 4px 4px 4px rgb(204, 194, 167) }
```

Background

The CSS property to change the background color of an element to XYZ 51.1687, 54.2110, 44.3261 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 194, 167) }
```

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

```
.background{ background-color: rgb(204,  
194, 167) }
```

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