

# Converting Colors

XYZ(56.2809, 61.7206, 45.8765)

Have a look what the booklet for  
XYZ(56.2809, 61.7206, 45.8765)  
contains.

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# Color

**XYZ(56.2021, 61.6405,  
45.9814)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D2D0A8
RGB	210, 208, 168
RGB Percent	82%, 82%, 66%
CMY	0.1765, 0.1843, 0.3412
CMYK	0.00, 0.01, 0.20, 0.18
HSL	57°, 32%, 74%
HSV	57°, 20%, 82%
XYZ	56.2021, 61.6405, 45.9814
YIQ	204.0380, 14.0320, -12.0160

# Conversions

## Conversions Part 2

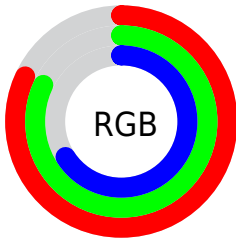
Format	Color
<a href="#">RYB</a>	<a href="#">170, 210, 168</a>
Decimal	<a href="#">13815976</a>
CIELab	<a href="#">82.72, -5.86, 20.16</a>
CIELCh	<a href="#">83, 20.993, 106.195</a>
Yxy	<a href="#">61.6405, 0.3431, 0.3763</a>
Android (android.graphics.Color)	<a href="#">4292006056</a> ( <a href="#">0xFFD2D0A8</a> )
YUV	<a href="#">204.0380, -17.7667, 5.2287</a>
Hunter-Lab	<a href="#">78.5115, -9.6166, 20.2340</a>

# Details

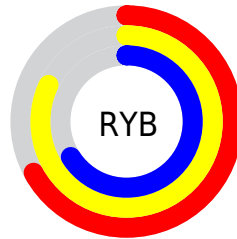
The XYZ color **56.2021, 61.6405, 45.9814** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **42.1559, 41.7266, 66.8054**, and the grayscale version is **57.5224, 60.5181, 65.9042**.

A 20% lighter version of the original color is **90.3193, 98.1077, 83.9884**, and **28.2256, 31.3407, 21.0847** is the 20% darker color. If you saturate the color by 10%, you get **54.1597, 60.4376, 36.4155**, and if you desaturate by 10%, it is **58.5652, 62.9783, 57.2144**.

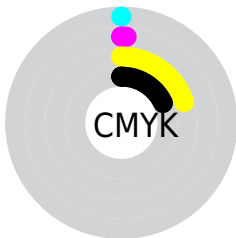
# Distribution



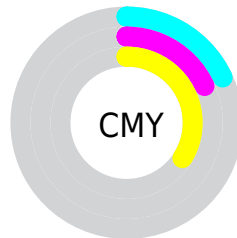
- Red (82%)
- Green (82%)
- Blue (66%)



- Red (67%)
- Yellow (82%)
- Blue (66%)



- Cyan (0%)
- Magenta (1%)
- Yellow (20%)
- Black (18%)



- Cyan (18%)
- Magenta (18%)
- Yellow (34%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 56.2021, 61.6405, 45.9814 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 56.2021, 61.6405, 45.9814 by changing the saturation by 10% instead.



■ 56.2021, 61.6405,  
45.9814

■ 56.2021, 61.6405,  
45.9814

400.5154,  
430.6185, 387.0093

■ 40.6026, 44.7423,  
31.8826

■ 98.4381, 107.2058,  
85.5252

■ 28.1950, 31.2545,  
21.0078

■ 125.8053,  
136.6416, 111.8072

■ 18.6139, 20.7927,  
12.9384

157.8259,  
171.0255, 142.9873

■ 11.4940, 12.9726,  
7.2559

194.8650,  
210.7417, 179.4842

■ 6.4699, 7.4097,  
3.5418

237.2882,  
256.1748, 221.7163

■ 3.1762, 3.7196,  
1.3775

285.4608,

■ 1.2476, 1.5180,

307.7090, 270.1021

0.1241

339.7480,  
365.7288, 325.0603

■ 0.1435, 0.3013,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 56.2021, 61.6405,  
45.9814

■ 56.2021, 61.6405,  
45.9814

■ 54.1597, 60.4376,  
36.4155

■ 58.5652, 62.9783,  
57.2144

■ 52.4182, 59.3554,  
28.4332

■ 61.2584, 64.4485,  
70.1851

■ 50.9626, 58.3900,  
21.9494

■ 64.2965, 66.0591,  
84.9646

■ 49.7751, 57.5343,  
16.8696

■ 67.6921, 67.8152,  
101.6190

■ 48.8356, 56.7803,  
13.0886

■ 68.4213, 68.5072,  
104.2248

■ 48.1214, 56.1187,  
10.4863

■ 68.6730, 69.0107,  
104.3087

■ 47.6054, 55.5389,  
8.9205

■ 68.9263, 69.5173,  
104.3931

■ 47.2382, 55.0210,  
8.1304

■ 69.1811, 70.0269,  
104.4781

■ 47.2382, 55.0210,  
8.1304

■ 69.4375, 70.5397,  
104.5635

# Harmonies

## Analogous

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



60.6809, 61.6405, 45.7733



56.2021, 61.6405, 45.9814



52.5497, 61.6405, 51.3523

# Triad

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



56.2021, 61.6405, 45.9814



52.7880, 61.6405, 86.6808



67.4178, 61.6405, 73.2176

# Complementary

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



56.2021, 61.6405, 45.9814



42.1559, 41.7266, 66.8054

# 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.



65.0708, 61.6405, 85.8148



56.2021, 61.6405, 45.9814



56.5427, 61.6405, 94.2355

# Square

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



56.2021, 61.6405, 45.9814



50.6488, 61.6405, 74.2833



61.0393, 61.6405, 93.8997



67.3151, 61.6405, 60.4252



# Rectangle

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



56.2021, 61.6405, 45.9814



51.0068, 61.6405, 57.5836



61.0393, 61.6405, 93.8997



66.8843, 61.6405, 77.6463

# Sweetspot

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



56.2037, 61.6432, 45.9827



92.4522, 98.5905, 96.3617



47.8468, 44.6138, 44.1702



19.7305, 21.0706, 20.3464



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.



56.2037, 61.6432, 45.9827



85.7945, 94.8248, 64.7024



51.6261, 60.0102, 45.9088



12.7533, 13.6973, 12.5837



28.8359, 33.6049, 4.9666



1.6275, 1.9093, 0.2827



# Inverse Universe

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



42.1559, 41.7266, 66.8054



60.1468, 58.4628, 102.7221



46.1053, 43.2114, 66.8838



11.2081, 11.5065, 14.8739



7.1827, 3.0119, 37.3953

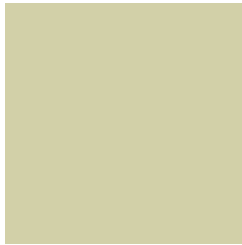


0.4178, 0.2008, 2.0963



# Previews

## White Background



This preview shows how the XYZ color 56.2021, 61.6405, 45.9814 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

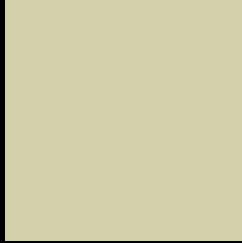
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 56.2021, 61.6405, 45.9814 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

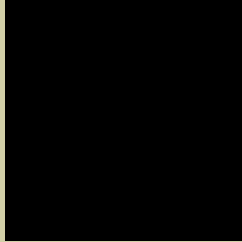
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

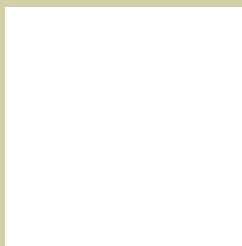
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 56.2021, 61.6405, 45.9814

## Background



This preview shows how black text looks on a background with the XYZ color 56.2021, 61.6405, 45.9814.



This preview shows how white text looks on a background with the XYZ color 56.2021, 61.6405,



# 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

56.2021, 61.6405, 45.9814

### Protanopia

57.7198, 61.3581, 45.3604

### Deuteranopia

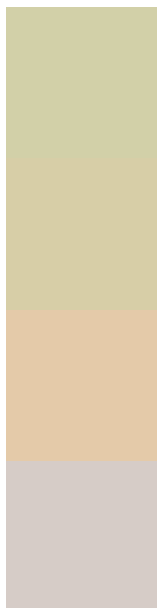
62.7097, 61.4676, 46.5895



## Tritanopia

62.0263, 61.5348, 74.2539

# Trichromacy



## Original Color

56.2021, 61.6405, 45.9814

## Protanomaly

57.0707, 61.3797, 45.3987

## Deuteranomaly

60.2769, 61.5996, 46.2491

## Tritanomaly

59.6332, 61.6054, 62.7809

# Monochromacy



## Original Color

56.2021, 61.6405, 45.9814

## Achromatopsia

57.3938, 60.3827, 65.7568

## Achromatomaly

56.6889, 60.5460, 57.9889

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 56.2021, 61.6405, 45.9814 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(210, 208, 168) looks like.

```
.text, #text, p{  
    color:rgb(210, 208, 168)  
}
```

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(210, 208, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(210, 208, 168) }
```

## Border

The CSS property to change the border of an element to XYZ 56.2021, 61.6405, 45.9814 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(210, 208, 168) }
```



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

```
.border{ border-color:rgb(210, 208, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(210, 208, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(210, 208, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(210, 208, 168);  
box-shadow:4px 4px 4px 4px rgb(210, 208,  
168) }
```

# Background

The CSS property to change the background color of an element to XYZ 56.2021, 61.6405, 45.9814 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(210, 208, 168) }
```

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

```
.background{ background-color: rgb(210,  
208, 168) }
```

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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