

# Converting Colors

XYZ(49.4640, 56.4746, 35.1331)

Have a look what the booklet for  
XYZ(49.4640, 56.4746, 35.1331)  
contains.

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# Color

**XYZ(49.4927, 56.6265,  
35.1095)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C5CB91
RGB	197, 203, 145
RGB Percent	77%, 80%, 57%
CMY	0.2275, 0.2039, 0.4314
CMYK	0.03, 0.00, 0.29, 0.20
HSL	66°, 36%, 68%
HSV	66°, 29%, 80%
XYZ	49.4927, 56.6265, 35.1095
YIQ	194.5940, 15.0420, -19.3100

# Conversions

## Conversions Part 2

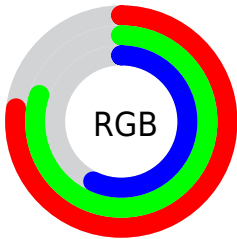
<b>Format</b>	<b>Color</b>
<b>RYB</b>	145, 203, 151
Decimal	12962705
CIELab	79.97, -11.40, 28.32
CIELCh	80, 30.527, 111.932
Yxy	56.6265, 0.3504, 0.4010
Android (android.graphics.Color)	4291152785 (0xFFC5CB91)
YUV	194.5940, -24.4498, 2.1101
Hunter-Lab	75.2506, -14.2881, 25.0126

# Details

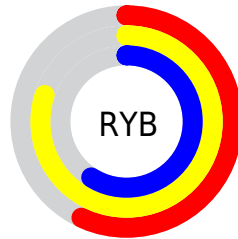
The XYZ color **49.4927, 56.6265, 35.1095** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **33.6695, 31.1434, 60.7398**, and the grayscale version is **51.7659, 54.4618, 59.3089**.

A 20% lighter version of the original color is **86.9419, 96.7144, 68.1182**, and **24.0955, 28.1427, 14.7518** is the 20% darker color. If you saturate the color by 10%, you get **47.5192, 55.7759, 27.5635**, and if you desaturate by 10%, it is **51.7565, 57.5980, 44.1315**.

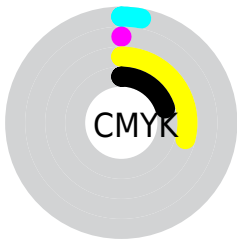
# Distribution



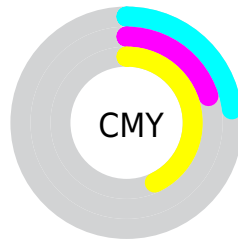
- Red (77%)
- Green (80%)
- Blue (57%)



- Red (57%)
- Yellow (80%)
- Blue (59%)



- Cyan (3%)
- Magenta (0%)
- Yellow (29%)
- Black (20%)




- Cyan (23%)
- Magenta (20%)
- Yellow (43%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 49.4927, 56.6265, 35.1095 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 49.4927, 56.6265, 35.1095 by changing the saturation by 10% instead.





 49.4927, 56.6265,  
35.1095


 49.4927, 56.6265,  
35.1095


375.1636,  
412.0483, 339.9703

 35.2266, 40.7054,  
23.4630


 88.6191, 99.9200,  
68.8089

 24.0048, 28.0890,  
14.7273


 114.2102,  
128.0612, 91.6988

 15.4620, 18.3928,  
8.4837

144.3069,  
161.0446, 119.1737

 9.2327, 11.2323,  
4.3138

179.2747,  
199.2546, 151.6520

 4.9516, 6.2233,  
1.7990

219.4789,  
243.0756, 189.5522

 2.2533, 2.9814,  
0.4273

265.2849,

 0.7706, 1.1220,

292.8919, 233.2930

0.0000

317.0580,  
349.0880, 283.2929

■ 0.0000, 0.0000,  
0.0000

■ 49.4927, 56.6265,  
35.1095

■ 49.4927, 56.6265,  
35.1095

■ 47.5192, 55.7759,  
27.5635

■ 51.7565, 57.5980,  
44.1315

■ 45.8168, 55.0327,  
21.4113

■ 54.3200, 58.6883,  
54.6984

■ 44.3706, 54.3929,  
16.5684

■ 57.1978, 59.9052,  
66.8792

■ 43.1625, 53.8491,  
12.9397

■ 60.4018, 61.2535,  
80.7379

■ 42.1719, 53.3932,  
10.4171

■ 63.9437, 62.7379,  
96.3347

■ 41.3746, 53.0156,  
8.8735

■ 65.8746, 63.5788,  
103.4077

■ 40.7327, 52.7009,  
8.1087

■ 66.4755, 63.8885,  
103.4358

■ 40.6459, 52.6580,  
8.0217

■ 67.0843, 64.2024,  
103.4643

■ 67.7009, 64.5203,  
103.4932

# Harmonies

## Analogous

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



55.5114, 56.6265, 33.6650



49.4927, 56.6265, 35.1095



44.9753, 56.6265, 42.9181

# Triad

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



49.4927, 56.6265, 35.1095



46.8040, 56.6265, 92.6143



66.5025, 56.6265, 66.5709

# Complementary

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



49.4927, 56.6265, 35.1095



33.6695, 31.1434, 60.7398

# Split Complementary

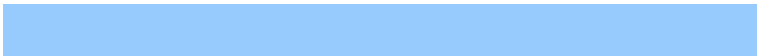
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



63.7583, 56.6265, 85.1824



49.4927, 56.6265, 35.1095



52.1668, 56.6265, 101.9920

# Square

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



49.4927, 56.6265, 35.1095



43.5080, 56.6265, 75.3015



58.3962, 56.6265, 99.0388



65.6489, 56.6265, 49.7685



# Rectangle

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



49.4927, 56.6265, 35.1095



43.2699, 56.6265, 51.6671



58.3962, 56.6265, 99.0388



65.9632, 56.6265, 72.8573

# Sweetspot

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



49.4941, 56.6290, 35.1107



90.7039, 98.1612, 90.5476



40.7758, 36.8112, 31.7450



19.2728, 20.9505, 18.7914



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.



49.4941, 56.6290, 35.1107



80.8704, 93.9556, 51.0654



42.6599, 53.1058, 34.7909



12.0350, 13.0354, 11.9612



25.9106, 33.5327, 5.1068



1.3704, 1.7473, 0.2650



# Inverse Universe

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



33.6695, 31.1434, 60.7398



50.3024, 44.7157, 100.5875



39.6825, 34.2432, 61.0212



10.7078, 10.8986, 14.1097



7.0940, 2.8647, 36.1353



0.4035, 0.1671, 1.8659



# Previews

## White Background



This preview shows how the XYZ color 49.4927, 56.6265, 35.1095 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 49.4927, 56.6265, 35.1095 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

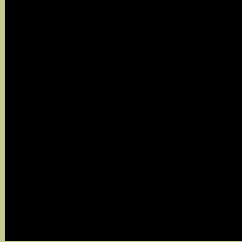
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

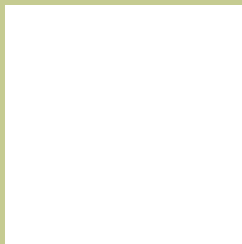
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 49.4927, 56.6265, 35.1095**

## **Background**



This preview shows how black text looks on a background with the XYZ color 49.4927, 56.6265, 35.1095.



This preview shows how white text looks on a background with the XYZ color 49.4927, 56.6265,



# 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

49.4927, 56.6265, 35.1095

### Protanopia

52.5926, 56.5175, 34.1236

### Deuteranopia

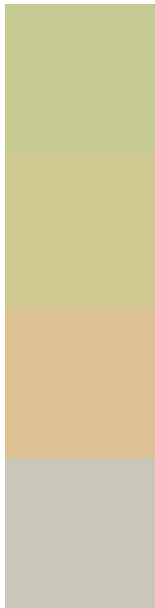
57.6904, 56.4575, 35.8737



## Tritanopia

56.3248, 56.6625, 68.9411

# Trichromacy



## Original Color

49.4927, 56.6265, 35.1095

## Protanomaly

51.4204, 56.5876, 34.5979

## Deuteranomaly

54.6004, 56.5089, 35.6333

## Tritanomaly

53.4141, 56.4899, 54.5428

# Monochromacy



## Original Color

49.4927, 56.6265, 35.1095

## Achromatopsia

51.8711, 54.5724, 59.4294

## Achromatomaly

50.8948, 55.2983, 49.5862

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 49.4927, 56.6265, 35.1095 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(197, 203, 145)` looks like.

```
.text, #text, p{  
    color:rgb(197, 203, 145)  
}
```

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(197, 203, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(197, 203, 145) }
```

## Border

The CSS property to change the border of an element to XYZ 49.4927, 56.6265, 35.1095 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(197, 203, 145) }
```



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

```
.border{ border-color:rgb(197, 203, 145) }
```

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

Here you see how a box with a 4 pixel rgb(197, 203, 145) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(197, 203, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(197, 203, 145);  
box-shadow:4px 4px 4px 4px rgb(197, 203,  
145) }
```

# Background

The CSS property to change the background color of an element to XYZ 49.4927, 56.6265, 35.1095 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(197, 203, 145) }
```

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

```
.background{ background-color: rgb(197,  
203, 145) }
```

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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