

# Converting Colors

XYZ(58.7437, 63.1272, 31.8800)

Have a look what the booklet for  
XYZ(58.7437, 63.1272, 31.8800)  
contains.

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# Color

**XYZ(58.9240, 63.3550,  
32.0448)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E4D087
RGB	228, 208, 135
RGB Percent	89%, 82%, 53%
CMY	0.1059, 0.1843, 0.4706
CMYK	0.00, 0.09, 0.41, 0.11
HSL	47°, 63%, 71%
HSV	47°, 41%, 89%
XYZ	58.9240, 63.3550, 32.0448
YIQ	205.6580, 35.3530, -18.4630

# Conversions

## Conversions Part 2

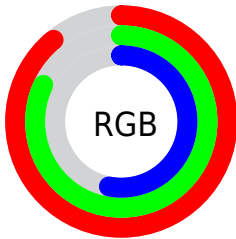
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	160, 228, 135
Decimal	14995591
CIE <sub>Lab</sub>	83.63, -3.10, 38.74
CIE <sub>LCh</sub>	84, 38.863, 94.569
Yxy	63.3550, 0.3818, 0.4105
Android (android.graphics.Color)	4293185671 (0xFFE4D087)
YUV	205.6580, -34.8344, 19.5939
Hunter-Lab	79.5959, -7.1510, 31.8473

# Details

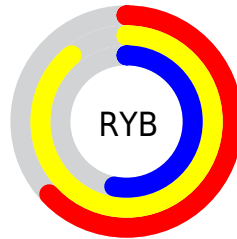
The XYZ color **58.9240, 63.3550, 32.0448** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **35.7164, 34.1940, 78.1165**, and the grayscale version is **58.6487, 61.7030, 67.1945**.

A 20% lighter version of the original color is **86.1853, 96.4541, 62.2192**, and **29.9504, 32.4092, 13.0646** is the 20% darker color. If you saturate the color by 10%, you get **56.3113, 60.4293, 24.0845**, and if you desaturate by 10%, it is **61.9205, 66.4979, 41.8304**.

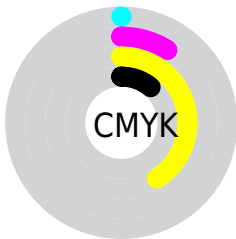
# Distribution



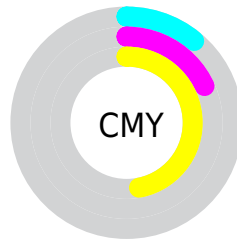
- Red (89%)
- Green (82%)
- Blue (53%)



- Red (63%)
- Yellow (89%)
- Blue (53%)



- Cyan (0%)
- Magenta (9%)
- Yellow (41%)
- Black (11%)




- Cyan (11%)
- Magenta (18%)
- Yellow (47%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 58.9240, 63.3550, 32.0448 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 58.9240, 63.3550, 32.0448 by changing the saturation by 10% instead.





 58.9240, 63.3550,  
32.0448

 58.9240, 63.3550,  
32.0448


410.5188,  
436.8567, 325.8223


 42.7981, 46.1285,  
21.1306


 102.3825,  
109.6815, 63.9800

 29.9205, 32.3472,  
13.0273

 130.4457,  
139.5503, 85.8382

 19.9261, 21.6268,  
7.3164

 163.2188,  
174.4019, 112.1814

 12.4493, 13.5830,  
3.5793

201.0670,  
214.6208, 143.4282

 7.1248, 7.8312,  
1.3975

244.3558,  
260.5913, 179.9971

 3.5873, 3.9871,  
0.1398

293.4504,

 1.4714, 1.6664,

312.6979, 222.3068

0.0000

348.7163,  
371.3249, 270.7757

■ 0.3063, 0.4017,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 58.9240, 63.3550,  
32.0448

■ 58.9240, 63.3550,  
32.0448

■ 56.3113, 60.4293,  
24.0845

■ 61.9205, 66.4979,  
41.8304

■ 54.0553, 57.7026,  
17.8287


■ 65.3167, 69.8580,  
53.5438


■ 52.1325, 55.1672,  
13.1485


■ 69.1331, 73.4464,  
67.2845

■ 50.5142, 52.8112,  
9.8946


■ 73.3874, 77.2705,  
83.1439


 49.1663, 50.6202,  
7.8889


 78.0961, 81.3376,  
101.2080

 48.1112, 48.7265,  
6.8694

 80.4501, 84.5244,  
106.6824

 81.8922, 87.4085,  
107.1631

 83.3734, 90.3709,  
107.6568

 84.8940, 93.4122,  
108.1637

# Harmonies

## Analogous

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



67.5139, 63.3550, 34.7495



58.9240, 63.3550, 32.0448



51.4089, 63.3550, 37.1648

# Triad

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



58.9240, 63.3550, 32.0448



47.7331, 63.3550, 99.1058



76.2212, 63.3550, 91.1056

# Complementary

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



58.9240, 63.3550, 32.0448



35.7164, 34.1940, 78.1165

# 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.



69.9778, 63.3550, 115.1665



58.9240, 63.3550, 32.0448



53.4658, 63.3550, 120.4959

# Square

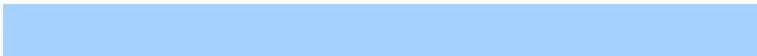
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



58.9240, 63.3550, 32.0448



45.3462, 63.3550, 72.7804



61.5288, 63.3550, 126.9729



78.0282, 63.3550, 65.3197



# Rectangle

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



58.9240, 63.3550, 32.0448



47.8540, 63.3550, 45.2439



61.5288, 63.3550, 126.9729



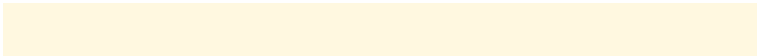
74.5447, 63.3550, 99.8419

# Sweetspot

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



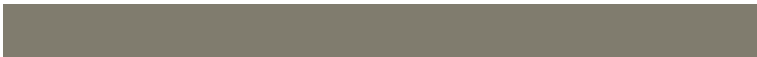
58.9256, 63.3579, 32.0461



88.4459, 94.0576, 84.2991



46.5884, 36.1942, 35.6079



18.7879, 19.9995, 17.5222



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.



58.9256, 63.3579, 32.0461



73.0535, 78.4348, 32.4258



56.3795, 69.7441, 33.4129



15.3248, 16.2636, 15.2359



27.8711, 28.3164, 3.9966



2.1252, 2.2238, 0.3172



# Inverse Universe

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



35.7164, 34.1940, 78.1165



39.3060, 36.0546, 99.4953



37.4368, 30.5437, 77.3212



13.8328, 14.3869, 18.1922



8.7914, 4.6449, 42.8164



0.7168, 0.4776, 3.1864



# Previews

## White Background



This preview shows how the XYZ color 58.9240, 63.3550, 32.0448 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

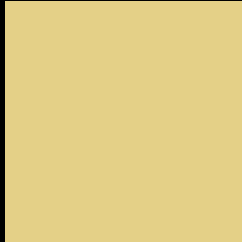
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 58.9240, 63.3550, 32.0448 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

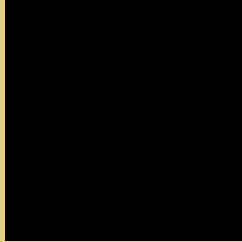
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 58.9240, 63.3550, 32.0448**

## **Background**



This preview shows how black text looks on a background with the XYZ color 58.9240, 63.3550, 32.0448.



This preview shows how white text looks on a background with the XYZ color 58.9240, 63.3550,



# 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

58.9240, 63.3550, 32.0448

### Protanopia

58.6076, 63.1919, 32.0300

### Deuteranopia

64.3631, 62.9770, 32.4304



## Tritanopia

66.9238, 63.0761, 72.2660

# Trichromacy



## Original Color

58.9240, 63.3550, 32.0448

## Protanomaly

58.6076, 63.1919, 32.0300

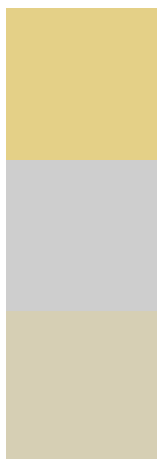
## Deuteranomaly

62.1824, 62.8959, 32.1553

## Tritanomaly

63.4818, 63.0675, 54.7263

# Monochromacy



## Original Color

58.9240, 63.3550, 32.0448

## Achromatopsia

58.6655, 61.7207, 67.2138

## Achromatomaly

58.2826, 62.2171, 52.1173

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 58.9240, 63.3550, 32.0448 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(228, 208, 135)` looks like.

```
.text, #text, p{  
    color:rgb(228, 208, 135)  
}
```

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(228, 208, 135) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 208, 135) }
```

## Border

The CSS property to change the border of an element to XYZ 58.9240, 63.3550, 32.0448 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(228, 208, 135) }
```



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

```
.border{ border-color:rgb(228, 208, 135) }
```

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

Here you see how a box with a 4 pixel `rgb(228, 208, 135)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 208, 135); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 208, 135);  
box-shadow:4px 4px 4px 4px rgb(228, 208,  
135) }
```

# Background

The CSS property to change the background color of an element to XYZ 58.9240, 63.3550, 32.0448 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 208, 135) }
```

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

```
.background{ background-color: rgb(228,  
208, 135) }
```

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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