

# Converting Colors

XYZ(62.3299, 70.2149, 32.9442)

Have a look what the booklet for  
XYZ(62.3299, 70.2149, 32.9442)  
contains.

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# Color

**XYZ(62.4193, 70.4578,  
32.8641)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E4DE86
RGB	228, 222, 134
RGB Percent	89%, 87%, 53%
CMY	0.1059, 0.1294, 0.4745
CMYK	0.00, 0.03, 0.41, 0.11
HSL	56°, 64%, 71%
HSV	56°, 41%, 89%
XYZ	62.4193, 70.4578, 32.8641
YIQ	213.7620, 31.8240, -26.0960

# Conversions

## Conversions Part 2

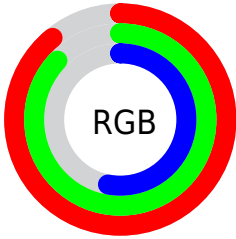
Format	Color
<b>R<sub>YB</sub></b>	140, 228, 134
Decimal	14999174
CIE <sub>Lab</sub>	87.22, -10.31, 43.81
CIE <sub>LCh</sub>	87, 45.006, 103.244
Yxy	70.4578, 0.3766, 0.4251
Android (android.graphics.Color)	4293189254 (0xFFE4DE86)
YUV	213.7620, -39.3227, 12.4867
Hunter-Lab	83.9391, -14.1563, 35.5440

# Details

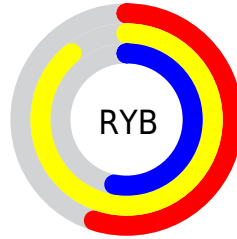
The XYZ color **62.4193, 70.4578, 32.8641** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **33.2131, 29.4251, 77.3279**, and the grayscale version is **63.9990, 67.3320, 73.3245**.

A 20% lighter version of the original color is **86.0771, 96.4108, 61.6494**, and **32.1363, 36.9046, 13.4122** is the 20% darker color. If you saturate the color by 10%, you get **60.6137, 69.1228, 25.2448**, and if you desaturate by 10%, it is **64.5746, 71.9430, 42.2929**.

# Distribution



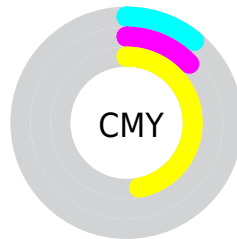
- Red (89%)
- Green (87%)
- Blue (53%)



- Red (55%)
- Yellow (89%)
- Blue (53%)



- Cyan (0%)
- Magenta (3%)
- Yellow (41%)
- Black (11%)




- Cyan (11%)
- Magenta (13%)
- Yellow (47%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 62.4193, 70.4578, 32.8641 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 62.4193, 70.4578, 32.8641 by changing the saturation by 10% instead.





 62.4193, 70.4578,  
32.8641


 62.4193, 70.4578,  
32.8641


423.1521,  
462.1558, 329.6501


 45.6285, 51.8998,  
21.7521


 107.4178,  
119.8614, 65.2769

 32.1561, 36.9252,  
13.4783

 136.3562,  
151.4758, 87.4147

 21.6369, 25.1496,  
7.6241


 170.0746,  
188.2111, 114.0649

 13.7054, 16.1886,  
3.7711

208.9381,  
230.4518, 145.6460

 7.9964, 9.6577,  
1.5006

253.3123,  
278.5822, 182.5765

 4.1444, 5.1726,  
0.2184

303.5625,

 1.7842, 2.3489,

332.9868, 225.2750

0.0000

360.0540,  
394.0498, 274.1600

■ 0.5081, 0.7994,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 62.4193, 70.4578,  
32.8641

■ 62.4193, 70.4578,  
32.8641

■ 60.6137, 69.1228,  
25.2448

■ 64.5746, 71.9430,  
42.2929

■ 59.1302, 67.9196,  
19.3135


■ 67.0946, 73.5769,  
53.6335


■ 57.9459, 66.8412,  
14.9406


■ 69.9998, 75.3702,  
66.9858

■ 57.0320, 65.8763,  
11.9760


■ 73.3075, 77.3300,  
82.4415


 56.3546, 65.0113,  
10.2402

 77.0342, 79.4626,  
100.0866

 55.9053, 64.3147,  
9.4675

 78.5451, 80.7144,  
106.0474

 78.9531, 81.5304,  
106.1834

 79.3645, 82.3532,  
106.3205

 79.7793, 83.1828,  
106.4588

# Harmonies

## Analogous

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



72.9995, 70.4578, 33.3916



62.4193, 70.4578, 32.8641



53.9876, 70.4578, 41.6500

# Triad

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



62.4193, 70.4578, 32.8641



53.2282, 70.4578, 123.8986



88.3734, 70.4578, 94.7494

# Complementary

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



62.4193, 70.4578, 32.8641



33.2131, 29.4251, 77.3279

# 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.



81.8783, 70.4578, 127.4035



62.4193, 70.4578, 32.8641



61.2782, 70.4578, 147.0322

# Square

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



62.4193, 70.4578, 32.8641



49.0699, 70.4578, 90.8378



71.7325, 70.4578, 148.4614



88.7618, 70.4578, 64.1403



# Rectangle

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



62.4193, 70.4578, 32.8641



50.4112, 70.4578, 53.3841



71.7325, 70.4578, 148.4614



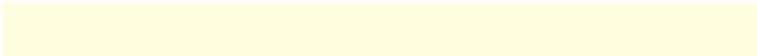
86.8031, 70.4578, 106.0153

# Sweetspot

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



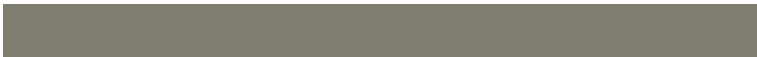
62.4210, 70.4610, 32.8656



89.8895, 96.9449, 84.7803



45.2738, 35.4463, 29.3707



19.1297, 20.6831, 17.6361



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.



62.4210, 70.4610, 32.8656



78.5433, 89.4143, 34.2557



52.6057, 67.8067, 32.8706



15.5188, 16.6515, 15.3006



32.3153, 37.2047, 5.4780



2.4119, 2.7971, 0.4128



# Inverse Universe

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



33.2131, 29.4251, 77.3279



36.3546, 30.1518, 98.5115



40.1487, 31.7356, 77.4083



13.6563, 14.0339, 18.1334



8.2103, 3.4827, 42.6227

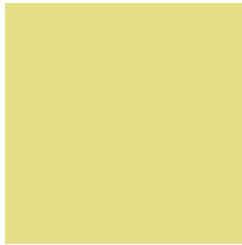


0.6328, 0.3096, 3.1584



# Previews

## White Background



This preview shows how the XYZ color 62.4193, 70.4578, 32.8641 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 62.4193, 70.4578, 32.8641 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

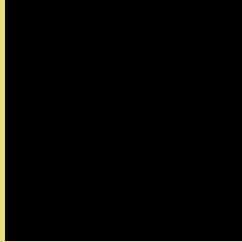
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 62.4193, 70.4578, 32.8641

## Background



This preview shows how black text looks on a background with the XYZ color 62.4193, 70.4578, 32.8641.



This preview shows how white text looks on a background with the XYZ color 62.4193, 70.4578,



# 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

62.4193, 70.4578, 32.8641

### Protanopia

64.9016, 70.1870, 32.3171

### Deuteranopia

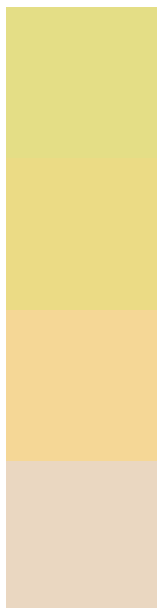
70.7923, 70.3517, 42.6490



## Tritanopia

72.4193, 70.3117, 82.4277

# Trichromacy



## Original Color

62.4193, 70.4578, 32.8641

## Protanomaly

63.8261, 70.0187, 32.3413

## Deuteranomaly

67.4616, 70.2154, 38.8515

## Tritanomaly

67.8578, 69.9436, 60.3760

# Monochromacy



## Original Color

62.4193, 70.4578, 32.8641

## Achromatopsia

63.9157, 67.2443, 73.2291

## Achromatomaly

62.7832, 68.1886, 55.7516

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 62.4193, 70.4578, 32.8641 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, 222, 134)` looks like.

```
.text, #text, p{  
    color:rgb(228, 222, 134)  
}
```

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, 222, 134) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 222, 134) }
```

## Border

The CSS property to change the border of an element to XYZ 62.4193, 70.4578, 32.8641 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, 222, 134) }
```



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

```
.border{ border-color:rgb(228, 222, 134) }
```

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

Here you see how a box with a 4 pixel `rgb(228, 222, 134)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 222, 134); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 222, 134);  
box-shadow:4px 4px 4px 4px rgb(228, 222,  
134) }
```

# Background

The CSS property to change the background color of an element to XYZ 62.4193, 70.4578, 32.8641 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 222, 134) }
```

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

```
.background{ background-color: rgb(228,  
222, 134) }
```

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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