

# Converting Colors

XYZ(52.8056, 62.7083, 4.4008)

Have a look what the booklet for  
XYZ(52.8056, 62.7083, 4.4008)  
contains.

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# Color

**XYZ(53.6130, 62.9607,  
9.3269)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DDD500
RGB	221, 213, 0
RGB Percent	87%, 84%, 0%
CMY	0.1333, 0.1647, 0.9999
CMYK	0.00, 0.04, 1.00, 0.13
HSL	58°, 100%, 43%
HSV	58°, 100%, 87%
XYZ	53.6130, 62.9607, 9.3269
YIQ	191.1100, 73.1410, -64.5470

# Conversions

## Conversions Part 2

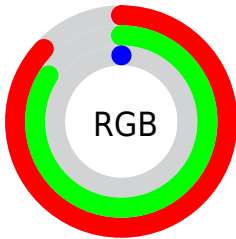
Format	Color
<a href="#">RYB</a>	8, 221, 0
Decimal	14537984
CIELab	83.42, -15.42, 83.25
CIELCh	83, 84.669, 100.492
Yxy	62.9607, 0.4258, 0.5001
Android (android.graphics.Color)	4292728064 (0xFFDDD500)
YUV	191.1100, -94.2172, 26.2135
Hunter-Lab	79.3478, -18.2513, 48.5742

# Details

The XYZ color **53.6130, 62.9607, 9.3269** is a dark color, and the websafe version is hex **CCCC00**. The color can be described as middle washed yellow. A complement of this color would be **13.1384, 5.3946, 68.7547**, and the grayscale version is **50.0884, 52.6969, 57.3869**.

A 20% lighter version of the original color is **78.7203, 93.4681, 22.9090**, and **27.0961, 32.3733, 4.8206** is the 20% darker color. If you saturate the color by 10%, you get **53.6140, 62.9631, 9.3273**, and if you desaturate by 10%, it is **53.9619, 63.4252, 10.1636**.

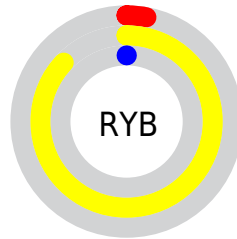
# Distribution



Red (87%)

Green (84%)

Blue (0%)



Red (3%)

Yellow (87%)

Blue (0%)

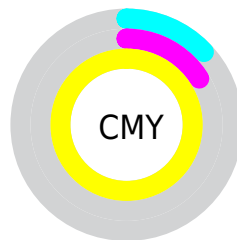


Cyan (0%)

Magenta (4%)

Yellow (100%)

Black (13%)



Cyan (13%)

Magenta (16%)


Yellow (100%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 53.6130, 62.9607, 9.3269 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 53.6130, 62.9607, 9.3269 by changing the saturation by 10% instead.





 53.6130, 62.9607,  
9.3269


 53.6130, 62.9607,  
9.3269


390.8550,  
435.4268, 196.1052

 38.5218, 45.8094,  
4.8553


 94.6660, 109.1128,  
25.1092

 26.5670, 32.0955,  
2.1054


 121.3585,  
138.8824, 37.2571

 17.3832, 21.4344,  
0.6190


 152.6488,  
173.6269, 52.8007

 10.6050, 13.4419,  
0.0000

 188.9023,  
213.7308, 72.1587

 5.8673, 7.7336,  
0.0000

 230.4843,  
259.5783, 95.7496

 2.8044, 3.9249,  
0.0000

 277.7602,

 1.0512, 1.6317,

311.5538, 123.9920

0.0000

331.0953,  
370.0419, 157.3043

■ 0.0000, 0.3788,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 53.6130, 62.9607,  
9.3269

■ 53.6130, 62.9607,  
9.3269

■ 53.6140, 62.9631,  
9.3273

■ 53.9619, 63.4252,  
10.1636

■ 54.4773, 63.9555,  
11.8786

■ 55.2150, 64.5762,  
14.7591

■ 56.2057, 65.2998,  
18.9670

■ 57.4753, 66.1365,  
24.6387

■ 59.0465, 67.0955,  
31.8935

■ 60.9396, 68.1848,  
40.8387

■ 63.1732, 69.4119,  
51.5720

■ 65.7644, 70.7837,  
64.1838

# Harmonies

## Analogous

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



72.4858, 62.9607, 10.4635



53.6130, 62.9607, 9.3269



39.6388, 62.9607, 16.6855

# Triad

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



53.6130, 62.9607, 9.3269



36.7176, 62.9607, 157.9330



99.8888, 62.9607, 108.3795

# Complementary

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



53.6130, 62.9607, 9.3269



13.1384, 5.3946, 68.7547

# 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.



85.9554, 62.9607, 178.4603



53.6130, 62.9607, 9.3269



48.7617, 62.9607, 215.8033

# Square

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



53.6130, 62.9607, 9.3269



31.3022, 62.9607, 88.7647



66.5363, 62.9607, 224.8034



101.9334, 62.9607, 51.6697



# Rectangle

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



53.6130, 62.9607, 9.3269



33.9770, 62.9607, 29.7045



66.5363, 62.9607, 224.8034



96.3231, 62.9607, 131.7480

# Sweetspot

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



53.6144, 62.9637, 9.3282



84.2098, 94.2617, 56.1392



29.8796, 15.3969, 1.7160



17.7752, 20.0344, 10.8332



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.



53.6144, 62.9637, 9.3282



74.1278, 87.0357, 12.8926



33.8203, 55.8180, 8.9922



14.1197, 15.1788, 13.9112



31.1644, 36.6143, 5.4247



2.0319, 2.3978, 0.3557



# Inverse Universe

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



13.1384, 5.3946, 68.7547



18.1501, 7.4202, 95.0834



18.2477, 7.8998, 68.9689



12.3763, 12.6923, 16.4497



7.6497, 3.1688, 39.9469



0.5092, 0.2325, 2.5925



# Previews

## White Background



This preview shows how the XYZ color 53.6130, 62.9607, 9.3269 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

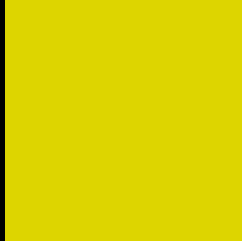
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 53.6130, 62.9607, 9.3269 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 53.6130, 62.9607, 9.3269**

## **Background**



This preview shows how black text looks on a background with the XYZ color 53.6130, 62.9607, 9.3269.



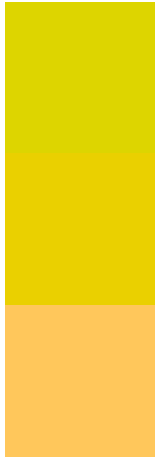
This preview shows how white text looks on a background with the XYZ color 53.6130, 62.9607,



# 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

53.6130, 62.9607, 9.3269

### Protanopia

56.4876, 62.6042, 9.1066

### Deuteranopia

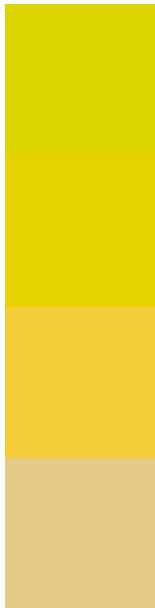
63.5518, 62.8622, 18.6816



## Tritanopia

66.1360, 62.6847, 71.5644

# Trichromacy



## Original Color

53.6130, 62.9607, 9.3269

## Protanomaly

55.3597, 62.7512, 9.1944

## Deuteranomaly

59.3187, 62.5459, 12.9491

## Tritanomaly

58.1130, 61.1475, 32.0323

# Monochromacy



## Original Color

53.6130, 62.9607, 9.3269

## Achromatopsia

49.5206, 52.0996, 56.7364

## Achromatomaly

48.2934, 54.8085, 26.4461

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 53.6130, 62.9607, 9.3269 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(221, 213, 0)` looks like.

```
.text, #text, p{  
    color:rgb(221, 213, 0)  
}
```

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(221, 213, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 213, 0) }
```

## Border

The CSS property to change the border of an element to XYZ 53.6130, 62.9607, 9.3269 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(221, 213, 0) }
```



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

```
.border{ border-color:rgb(221, 213, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(221, 213, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 213, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 213, 0);  
box-shadow:4px 4px 4px 4px rgb(221, 213,  
0) }
```

# Background

The CSS property to change the background color of an element to XYZ 53.6130, 62.9607, 9.3269 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 213, 0) }
```

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

```
.background{ background-color: rgb(221,  
213, 0) }
```

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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