

# Converting Colors

XYZ(53.2628, 63.3183, 10.6647)

Have a look what the booklet for  
XYZ(53.2628, 63.3183, 10.6647)  
contains.

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# Color

**XYZ(53.4482, 63.6000,  
10.6873)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DAD71E
RGB	218, 215, 30
RGB Percent	85%, 84%, 12%
CMY	0.1451, 0.1568, 0.8823
CMYK	0.00, 0.01, 0.86, 0.15
HSL	59°, 76%, 49%
HSV	59°, 86%, 85%
XYZ	53.4482, 63.6000, 10.6873
YIQ	194.8070, 61.1730, -56.8990

# Conversions

## Conversions Part 2

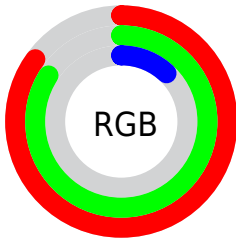
Format	Color
R <sub>Y</sub> B	33, 218, 30
Decimal	14341918
CIE Lab	83.76, -17.29, 79.74
CIE LCh	84, 81.590, 102.232
Yxy	63.6000, 0.4184, 0.4979
Android (android.graphics.Color)	4292531998 (0xFFDAD71E)
YUV	194.8070, -81.2499, 20.3403
Hunter-Lab	79.7496, -19.9311, 47.8792

# Details

The XYZ color **53.4482, 63.6000, 10.6873** is a light color, and the websafe version is hex **CCCC00**. The color can be described as light washed yellow. A complement of this color would be **13.7346, 6.4261, 66.8456**, and the grayscale version is **52.2020, 54.9206, 59.8085**.

A 20% lighter version of the original color is **79.2046, 93.6618, 25.4593**, and **27.0429, 32.8607, 4.9174** is the 20% darker color. If you saturate the color by 10%, you get **53.1718, 63.3506, 9.6612**, and if you desaturate by 10%, it is **53.9192, 63.9324, 12.7250**.

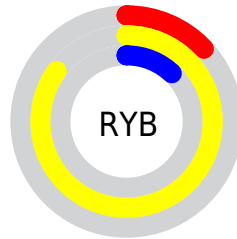
# Distribution



Red (85%)

Green (84%)

Blue (12%)



Red (13%)

Yellow (85%)

Blue (12%)

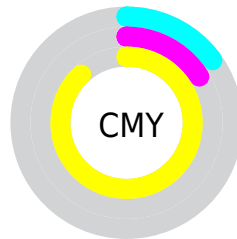


Cyan (0%)

Magenta (1%)

Yellow (86%)

Black (15%)



Cyan (15%)

Magenta (16%)


Yellow (88%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 53.4482, 63.6000, 10.6873 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 53.4482, 63.6000, 10.6873 by changing the saturation by 10% instead.





 53.4482, 63.6000,  
10.6873

 53.4482, 63.6000,  
10.6873


390.2351,  
437.7437, 206.1693


 38.3896, 46.3268,  
5.7455


 94.4252, 110.0347,  
27.7082


 26.4638, 32.5038,  
2.6247


 121.0743,  
139.9649, 40.6244

 17.3054, 21.7466,  
0.9051


 152.3177,  
174.8829, 57.0357

 10.5491, 13.6708,  
0.0000

 188.5206,  
215.1731, 77.3608

 5.8296, 7.8921,  
0.0000

 230.0484,  
261.2199, 102.0182

 2.7814, 4.0260,  
0.0000

 277.2666,

 1.0392, 1.6881,

313.4077, 131.4264

0.0000

330.5403,  
372.1208, 166.0039

■ 0.0000, 0.4159,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 53.4482, 63.6000,  
10.6873

■ 53.4482, 63.6000,  
10.6873

■ 53.1718, 63.3506,  
9.6612

■ 53.9192, 63.9324,  
12.7250

■ 53.0936, 63.2661,  
9.4133

■ 54.6153, 64.3527,  
15.9530

■ 55.5655, 64.8750,  
20.5183

■ 56.7936, 65.5087,  
26.5460

■ 58.3205, 66.2623,  
34.1466

■ 60.1653, 67.1433,  
43.4200

■ 62.3454, 68.1587,  
54.4579

■ 64.8768, 69.3150,  
67.3454

■ 67.7748, 70.6181,  
82.1621

# Harmonies

## Analogous

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



71.5706, 63.6000, 11.4118



53.4482, 63.6000, 10.6873



40.1453, 63.6000, 18.9090

# Triad

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



53.4482, 63.6000, 10.6873



38.3830, 63.6000, 158.8546



99.4979, 63.6000, 103.8869

# Complementary

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



53.4482, 63.6000, 10.6873



13.7346, 6.4261, 66.8456

# 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.



86.6542, 63.6000, 170.8501



53.4482, 63.6000, 10.6873



50.5453, 63.6000, 211.8810

# Square

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



53.4482, 63.6000, 10.6873



32.6709, 63.6000, 92.2991



68.0378, 63.6000, 217.1151



100.7018, 63.6000, 50.3974



# Rectangle

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



53.4482, 63.6000, 10.6873



34.8275, 63.6000, 32.7355



68.0378, 63.6000, 217.1151



96.2968, 63.6000, 126.0582

# Sweetspot

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



53.4496, 63.6030, 10.6886



85.8169, 95.7694, 61.9359



29.6543, 15.9451, 2.9643



18.1601, 20.4000, 12.2075



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.



53.4496, 63.6030, 10.6886



75.7183, 90.2166, 13.4228



34.0788, 54.7589, 10.0025



14.1435, 15.2264, 13.9191



31.8170, 37.9195, 5.6423



2.0671, 2.4682, 0.3675



# Inverse Universe

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



13.7346, 6.4261, 66.8456



18.0941, 7.3081, 95.0647



20.9866, 10.0468, 67.1622



12.3552, 12.6502, 16.4427



7.6116, 3.0926, 39.9342



0.4991, 0.2123, 2.5891



# Previews

## White Background



This preview shows how the XYZ color 53.4482, 63.6000, 10.6873 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 53.4482, 63.6000, 10.6873 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 53.4482, 63.6000, 10.6873**

## **Background**



This preview shows how black text looks on a background with the XYZ color 53.4482, 63.6000, 10.6873.



This preview shows how white text looks on a background with the XYZ color 53.4482, 63.6000,



# 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

53.4482, 63.6000, 10.6873

### Protanopia

57.2710, 63.3469, 10.3073

### Deuteranopia

64.0989, 63.4504, 20.4240



## Tritanopia

66.3277, 63.4222, 73.7116

# Trichromacy



## Original Color

53.4482, 63.6000, 10.6873

## Protanomaly

55.8291, 63.3353, 10.4448

## Deuteranomaly

59.6519, 63.0209, 15.3236

## Tritanomaly

58.8552, 62.1317, 36.9076

# Monochromacy



## Original Color

53.4482, 63.6000, 10.6873

## Achromatopsia

51.8711, 54.5724, 59.4294

## Achromatomaly

50.1223, 56.6868, 31.2216

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 53.4482, 63.6000, 10.6873 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(218, 215, 30)` looks like.

```
.text, #text, p{  
    color:rgb(218, 215, 30)  
}
```

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(218, 215, 30) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 215, 30) }
```

## Border

The CSS property to change the border of an element to XYZ 53.4482, 63.6000, 10.6873 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(218, 215, 30) }
```



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

```
.border{ border-color:rgb(218, 215, 30) }
```

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

Here you see how a box with a 4 pixel `rgb(218, 215, 30)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(218, 215, 30); -webkit-box-  
shadow:4px 4px 4px 4px rgb(218, 215, 30);  
box-shadow:4px 4px 4px 4px rgb(218, 215,  
30) }
```

# Background

The CSS property to change the background color of an element to XYZ 53.4482, 63.6000, 10.6873 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 215, 30) }
```

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

```
.background{ background-color: rgb(218,  
215, 30) }
```

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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