

Converting Colors

XYZ(53.7452, 63.6692, 12.7183)

Have a look what the booklet for
XYZ(53.7452, 63.6692, 12.7183)
contains.

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Color

**XYZ(53.8337, 63.7542,
12.7173)**

Conversions

Conversions Part 1

Format	Color
Hex	DAD734
RGB	218, 215, 52
RGB Percent	85%, 84%, 20%
CMY	0.1451, 0.1568, 0.7961
CMYK	0.00, 0.01, 0.76, 0.15
HSL	59°, 69%, 53%
HSV	59°, 76%, 85%
XYZ	53.8337, 63.7542, 12.7173
YIQ	197.3150, 54.1110, -50.0570

Conversions

Conversions Part 2

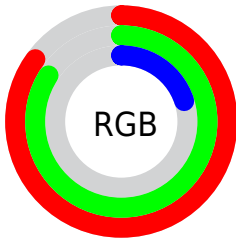
Format	Color
RYB	55, 218, 52
Decimal	14341940
CIELab	83.84, -16.64, 74.37
CIELCh	84, 76.211, 102.615
Yxy	63.7542, 0.4131, 0.4893
Android (android.graphics.Color)	4292532020 (0xFFDAD734)
YUV	197.3150, -71.6403, 18.1407
Hunter-Lab	79.8462, -19.3831, 46.4491

Details

The XYZ color **53.8337, 63.7542, 12.7173** is a light color, and the websafe version is hex **CCCC33**. The color can be described as light muted yellow. A complement of this color would be **15.4376, 8.5246, 67.1610**, and the grayscale version is **53.6601, 56.4546, 61.4790**.

A 20% lighter version of the original color is **79.9246, 93.9499, 29.2509**, and **27.0429, 32.8607, 4.9174** is the 20% darker color. If you saturate the color by 10%, you get **53.3522, 63.4040, 10.6684**, and if you desaturate by 10%, it is **54.5449, 64.2015, 15.9618**.

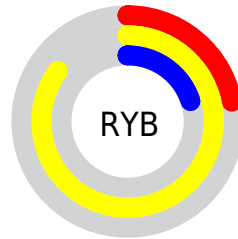
Distribution



Red (85%)

Green (84%)

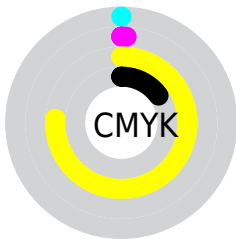
Blue (20%)



Red (22%)

Yellow (85%)

Blue (20%)

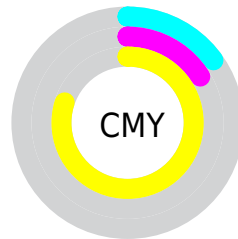


Cyan (0%)

Magenta (1%)

Yellow (76%)

Black (15%)



Cyan (15%)


Magenta (16%)

Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 53.8337, 63.7542, 12.7173 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 53.8337, 63.7542, 12.7173 by changing the saturation by 10% instead.


 53.8337, 63.7542,
12.7173


 53.8337, 63.7542,
12.7173


391.6842,
438.3015, 220.2417


 38.6989, 46.4516,
7.1057


 94.9884, 110.2569,
31.4787

 26.7052, 32.6024,
3.4489


 121.7389,
140.2257, 45.4655


 17.4874, 21.8220,
1.3281


 153.0920,
175.1855, 63.0813

 10.6800, 13.7262,
0.0847

 189.4131,
215.5206, 84.7444

 5.9178, 7.9305,
0.0000

 231.0675,
261.6153, 110.8735

 2.8354, 4.0505,
0.0000

278.4206,

 1.0673, 1.7018,

313.8541, 141.8870

0.0000

331.8377,
372.6213, 178.2036

0.0000, 0.4248,
0.0000

0.0000, 0.0000,
0.0000

53.8337, 63.7542,
12.7173

53.8337, 63.7542,
12.7173

53.3522, 63.4040,
10.6684

54.5449, 64.2015,
15.9618

53.0615, 63.1281,
9.6297

55.5091, 64.7479,
20.5436

52.9770, 63.0329,
9.3744

56.7515, 65.4060,
26.5888

58.2929, 66.1841,
34.2078

■ 60.1524, 67.0898,
43.5006

■ 62.3473, 68.1301,
54.5587

■ 64.8939, 69.3114,
67.4671

■ 67.8071, 70.6398,
82.3054

■ 71.1013, 72.1209,
99.1483

Harmonies

Analogous

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



70.7337, 63.7542, 13.3688



53.8337, 63.7542, 12.7173



41.3080, 63.7542, 21.2714

Triad

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



53.8337, 63.7542, 12.7173



39.8578, 63.7542, 152.4278



96.8049, 63.7542, 100.7715

Complementary

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



53.8337, 63.7542, 12.7173



15.4376, 8.5246, 67.1610

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.



85.1123, 63.7542, 161.7794



53.8337, 63.7542, 12.7173



51.4772, 63.7542, 199.8202

Square

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



53.8337, 63.7542, 12.7173



34.2962, 63.7542, 91.5642



67.9031, 63.7542, 203.8661



97.7557, 63.7542, 51.1650

Rectangle

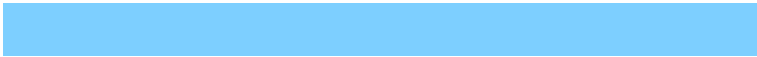
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



53.8337, 63.7542, 12.7173



36.2697, 63.7542, 35.0581



67.9031, 63.7542, 203.8661



93.9136, 63.7542, 121.0499

Sweetspot

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



53.8352, 63.7572, 12.7186



86.6672, 96.1085, 66.4166



30.8936, 17.6628, 5.7229



18.3209, 20.4614, 13.0633



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.



53.8352, 63.7572, 12.7186



75.8337, 90.2007, 14.2216



36.5970, 56.0126, 12.1323



14.1411, 15.2215, 13.9183



31.7481, 37.7818, 5.6193



2.0634, 2.4608, 0.3662

Inverse Universe

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



15.4376, 8.5246, 67.1610



18.7972, 8.1916, 95.1982



23.0080, 12.2226, 67.4757



12.3574, 12.6546, 16.4434



7.6155, 3.1005, 39.9355



0.5002, 0.2144, 2.5895

Previews

White Background



This preview shows how the XYZ color 53.8337, 63.7542, 12.7173 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 53.8337, 63.7542, 12.7173 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 53.8337, 63.7542, 12.7173

Background



This preview shows how black text looks on a background with the XYZ color 53.8337, 63.7542, 12.7173.



This preview shows how white text looks on a background with the XYZ color 53.8337, 63.7542,

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

53.8337, 63.7542, 12.7173

Protanopia

57.6590, 63.5021, 12.3501

Deuteranopia

64.2432, 63.5081, 21.1842



Tritanopia

66.0039, 63.2553, 73.6965

Trichromacy



Original Color

53.8337, 63.7542, 12.7173

Protanomaly

56.2049, 63.4856, 12.4236

Deuteranomaly

60.0106, 63.1644, 17.2127

Tritanomaly

59.1961, 62.2317, 40.3444

Monochromacy



Original Color

53.8337, 63.7542, 12.7173

Achromatopsia

53.0703, 55.8340, 60.8033

Achromatomaly

51.8037, 58.1785, 34.8848

CSS Examples

Text

The CSS property to change the color of the text to XYZ 53.8337, 63.7542, 12.7173 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, 52)` looks like.

```
.text, #text, p{  
    color:rgb(218, 215, 52)  
}
```

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, 52) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 215, 52) }
```

Border

The CSS property to change the border of an element to XYZ 53.8337, 63.7542, 12.7173 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, 52) }
```


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

```
.border{ border-color:rgb(218, 215, 52) }
```

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, 52)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(218, 215, 52); -webkit-box-  
shadow:4px 4px 4px 4px rgb(218, 215, 52);  
box-shadow:4px 4px 4px 4px rgb(218, 215,  
52) }
```

Background

The CSS property to change the background color of an element to XYZ 53.8337, 63.7542, 12.7173 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, 52) }
```

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

```
.background{ background-color: rgb(218,  
215, 52) }
```

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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