

Converting Colors

XYZ(53.0746, 63.3468, 13.4995)

Have a look what the booklet for
XYZ(53.0746, 63.3468, 13.4995)
contains.

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Color

**XYZ(53.1142, 63.3637,
13.5687)**

Conversions

Conversions Part 1

Format	Color
Hex	D7D73B
RGB	215, 215, 59
RGB Percent	84%, 84%, 23%
CMY	0.1569, 0.1568, 0.7686
CMYK	0.00, 0.00, 0.73, 0.16
HSL	60°, 66%, 54%
HSV	60°, 73%, 84%
XYZ	53.1142, 63.3637, 13.5687
YIQ	197.2160, 50.0760, -48.5160

Conversions

Conversions Part 2

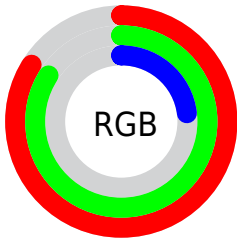
Format	Color
R _Y B	59, 215, 59
Decimal	14145339
CIE Lab	83.63, -17.62, 71.88
CIE LCh	84, 74.011, 103.769
Yxy	63.3637, 0.4084, 0.4872
Android (android.graphics.Color)	4292335419 (0xFFD7D73B)
YUV	197.2160, -68.1405, 15.5966
Hunter-Lab	79.6013, -20.1977, 45.6145

Details

The XYZ color **53.1142, 63.3637, 13.5687** 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 **15.6351, 8.9653, 65.2003**, and the grayscale version is **53.5811, 56.3714, 61.3885**.

A 20% lighter version of the original color is **80.2109, 94.0644, 30.7583**, and **26.4552, 32.5577, 4.8899** is the 20% darker color. If you saturate the color by 10%, you get **52.6677, 63.1875, 11.2127**, and if you desaturate by 10%, it is **53.7931, 63.6377, 17.1360**.

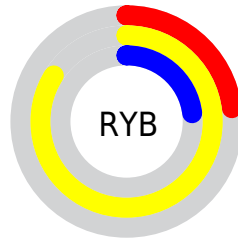
Distribution



Red (84%)

Green (84%)

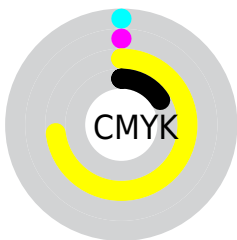
Blue (23%)



Red (23%)

Yellow (84%)

Blue (23%)

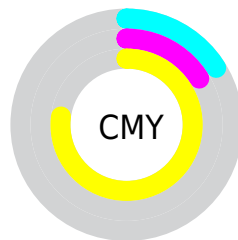


Cyan (0%)

Magenta (0%)

Yellow (73%)

Black (16%)



Cyan (16%)

Magenta (16%)

Yellow (77%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 53.1142, 63.3637, 13.5687 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 53.1142, 63.3637, 13.5687 by changing the saturation by 10% instead.

■ 53.1142, 63.3637,
13.5687

■ 53.1142, 63.3637,
13.5687

388.9768,
436.8882, 225.8653

■ 38.1218, 46.1355,
7.6860

■ 93.9369, 109.6941,
33.0278

■ 26.2549, 32.3528,
3.8098

■ 120.4980,
139.5650, 47.4413

■ 17.1481, 21.6311,
1.5216

■ 151.6459,
174.4190, 65.5354

■ 10.4361, 13.5861,
0.2339

■ 187.7461,
214.6404, 87.7288

■ 5.7535, 7.8333,
0.0000

■ 229.1640,
260.6136, 114.4400

■ 2.7350, 3.9885,
0.0000

276.2648,

■ 1.0152, 1.6671,

312.7231, 146.0874

0.0000

329.4139,
371.3531, 183.0896

■ 0.0000, 0.4022,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 53.1142, 63.3637,
13.5687

■ 53.1142, 63.3637,
13.5687

■ 52.6677, 63.1875,
11.2127

■ 53.7931, 63.6377,
17.1360

■ 52.4191, 63.0880,
9.9048

■ 54.7252, 64.0105,
22.0432

■ 52.3254, 63.0505,
9.4121

■ 55.9339, 64.4940,
28.4066

■ 57.4386, 65.0959,
36.3289

■ 59.2571, 65.8234,
45.9037

■ 61.4058, 66.6829,
57.2170

■ 63.8998, 67.6805,
70.3491

■ 66.7535, 68.8220,
85.3750

■ 69.9803, 70.1128,
102.3656

Harmonies

Analogous

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



69.3544, 63.3637, 13.9068



53.1142, 63.3637, 13.5687



41.1519, 63.3637, 22.5539

Triad

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



53.1142, 63.3637, 13.5687



40.4224, 63.3637, 150.8902



95.3410, 63.3637, 97.0394

Complementary

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



53.1142, 63.3637, 13.5687



15.6351, 8.9653, 65.2003

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.



84.4343, 63.3637, 155.5010



53.1142, 63.3637, 13.5687



51.9347, 63.3637, 194.9146

Square

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



53.1142, 63.3637, 13.5687



34.7627, 63.3637, 92.4674



67.9444, 63.3637, 196.9030



95.8121, 63.3637, 49.8700

Rectangle

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



53.1142, 63.3637, 13.5687



36.3900, 63.3637, 36.6073



67.9444, 63.3637, 196.9030



92.6961, 63.3637, 116.3884

Sweetspot

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



53.1157, 63.3667, 13.5700



87.2963, 96.8984, 68.0742



30.3799, 17.8923, 5.9909



18.5171, 20.6731, 13.6866



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.



53.1157, 63.3667, 13.5700



77.2733, 92.8889, 15.3065



35.4090, 54.2385, 12.7413



13.4728, 14.5200, 13.2532



31.2950, 37.7095, 5.6292



1.8876, 2.2745, 0.3395

Inverse Universe

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



15.6351, 8.9653, 65.2003



19.2303, 8.6420, 95.2623



24.1483, 13.3540, 65.5987



11.7427, 12.0088, 15.6365



7.3365, 2.9346, 38.6329



0.4425, 0.1770, 2.3302

Previews

White Background



This preview shows how the XYZ color 53.1142, 63.3637, 13.5687 looks on a white background.

Color Contrast Check

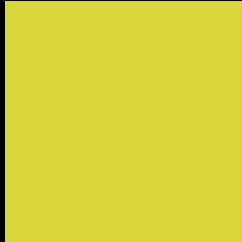
Large Text (above 18pt) WCAG AA × Fail

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 53.1142, 63.3637, 13.5687 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 53.1142, 63.3637, 13.5687

Background



This preview shows how black text looks on a background with the XYZ color 53.1142, 63.3637, 13.5687.



This preview shows how white text looks on a background with the XYZ color 53.1142, 63.3637,

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

53.1142, 63.3637, 13.5687

Protanopia

57.4707, 63.3888, 13.0771

Deuteranopia

63.9156, 63.0077, 20.5974



Tritanopia

65.2762, 63.2251, 73.7290

Trichromacy



Original Color

53.1142, 63.3637, 13.5687

Protanomaly

55.7365, 63.2249, 13.2690

Deuteranomaly

59.3667, 62.8280, 17.3856

Tritanomaly

58.7607, 62.3338, 41.7355

Monochromacy



Original Color

53.1142, 63.3637, 13.5687

Achromatopsia

53.0703, 55.8340, 60.8033

Achromatomaly

51.7612, 58.1297, 36.0958

CSS Examples

Text

The CSS property to change the color of the text to XYZ 53.1142, 63.3637, 13.5687 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(215, 215, 59)` looks like.

```
.text, #text, p{  
    color:rgb(215, 215, 59)  
}
```

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(215, 215, 59) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 215, 59) }
```

Border

The CSS property to change the border of an element to XYZ 53.1142, 63.3637, 13.5687 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(215, 215, 59) }
```


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

```
.border{ border-color:rgb(215, 215, 59) }
```

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

Here you see how a box with a 4 pixel `rgb(215, 215, 59)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(215, 215, 59); -webkit-box-  
shadow:4px 4px 4px 4px rgb(215, 215, 59);  
box-shadow:4px 4px 4px 4px rgb(215, 215,  
59) }
```

Background

The CSS property to change the background color of an element to XYZ 53.1142, 63.3637, 13.5687 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 215, 59) }
```

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

```
.background{ background-color: rgb(215,  
215, 59) }
```

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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