

Converting Colors

XYZ(51.5633, 57.6905, 14.5090)

Have a look what the booklet for
XYZ(51.5633, 57.6905, 14.5090)
contains.

XYZ(51.5036, 57.7690, 14.5669)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(51.5036, 57.7690,
14.5669)**

Conversions

Conversions Part 1

Format	Color
Hex	DBCA48
RGB	219, 202, 72
RGB Percent	86%, 79%, 28%
CMY	0.1412, 0.2078, 0.7176
CMYK	0.00, 0.08, 0.67, 0.14
HSL	53°, 67%, 57%
HSV	53°, 67%, 86%
XYZ	51.5036, 57.7690, 14.5669
YIQ	192.2630, 51.8620, -36.8260

Conversions

Conversions Part 2

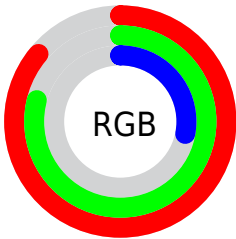
Format	Color
R _Y B	91, 219, 72
Decimal	14404168
CIE Lab	80.61, -8.79, 64.28
CIE LCh	81, 64.878, 97.787
Yxy	57.7690, 0.4159, 0.4665
Android (android.graphics.Color)	4292594248 (0xFFDBCA48)
YUV	192.2630, -59.2897, 23.4483
Hunter-Lab	76.0059, -12.0541, 41.8409

Details

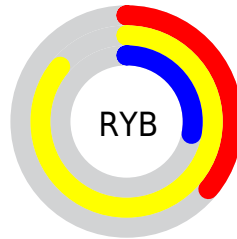
The XYZ color **51.5036, 57.7690, 14.5669** is a light color, and the websafe version is hex **CCCC33**. The color can be described as light muted yellow. A complement of this color would be **19.0310, 13.6366, 68.6464**, and the grayscale version is **50.5727, 53.2064, 57.9418**.

A 20% lighter version of the original color is **80.8308, 94.3123, 34.0225**, and **25.2878, 28.7569, 4.2178** is the 20% darker color. If you saturate the color by 10%, you get **50.3239, 56.3566, 11.2550**, and if you desaturate by 10%, it is **52.9501, 59.3081, 19.2240**.

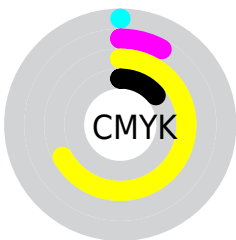
Distribution



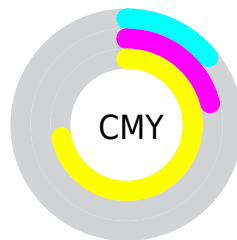
- Red (86%)
- Green (79%)
- Blue (28%)



- Red (36%)
- Yellow (86%)
- Blue (28%)



- Cyan (0%)
- Magenta (8%)
- Yellow (67%)
- Black (14%)



- Cyan (14%)
- Magenta (21%)
- Yellow (72%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 51.5036, 57.7690, 14.5669 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 51.5036, 57.7690, 14.5669 by changing the saturation by 10% instead.

■ 51.5036, 57.7690,
14.5669

■ 51.5036, 57.7690,
14.5669

382.8727,
416.3246, 232.2794

■ 36.8322, 41.6230,
8.3728

■ 91.5773, 101.5864,
34.8231

■ 25.2507, 28.8062,
4.2432

■ 117.7104,
130.0265, 49.7222

■ 16.3937, 18.9342,
1.7597

■ 148.3947,
163.3335, 68.3600

■ 9.8958, 11.6228,
0.4012

■ 183.9956,
201.8917, 91.1552

■ 5.3916, 6.4874,
0.0000

■ 224.8785,
246.0855, 118.5261

■ 2.5159, 3.1436,
0.0000

271.4088,

■ 0.9033, 1.2072,

296.2994, 150.8915

0.0000

323.9517,
352.9176, 188.6697

■ 0.0000, 0.0676,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 51.5036, 57.7690,
14.5669

■ 51.5036, 57.7690,
14.5669

■ 50.3239, 56.3566,
11.2550

■ 52.9501, 59.3081,
19.2240

■ 49.3784, 55.0512,
9.1349

■ 54.6838, 60.9756,
25.3506

■ 48.6311, 53.8404,
8.0102

■ 56.7274, 62.7828,
33.0610

■ 48.4342, 53.5021,
7.7742

■ 59.1004, 64.7376,
42.4570

■ 61.8206, 66.8471,
53.6321

■ 64.9043, 69.1180,
66.6728

■ 68.3671, 71.5565,
81.6600

■ 72.2234, 74.1686,
98.6699

■ 74.1321, 76.0177,
105.3734

Harmonies

Analogous

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



65.1926, 57.7690, 16.4437



51.5036, 57.7690, 14.5669



40.6365, 57.7690, 20.8602

Triad

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



51.5036, 57.7690, 14.5669



37.0207, 57.7690, 119.5370



82.2580, 57.7690, 94.9796

Complementary

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



51.5036, 57.7690, 14.5669



19.0310, 13.6366, 68.6464

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.



72.1811, 57.7690, 140.7003



51.5036, 57.7690, 14.5669



45.7657, 57.7690, 158.4285

Square

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



51.5036, 57.7690, 14.5669



33.2038, 57.7690, 73.3931



58.4586, 57.7690, 167.4376



84.4614, 57.7690, 53.4590

Rectangle

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



51.5036, 57.7690, 14.5669



35.9310, 57.7690, 31.2925



58.4586, 57.7690, 167.4376



79.6086, 57.7690, 110.7785

Sweetspot

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



51.5049, 57.7717, 14.5681



86.0470, 93.4354, 70.6264



33.3404, 20.4191, 11.6691



18.1830, 19.8176, 14.1517



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.



51.5049, 57.7717, 14.5681



70.3929, 78.6972, 14.3252



41.5341, 58.8803, 15.3076



14.0270, 14.9934, 13.8803



28.7715, 31.8285, 4.6271



1.9012, 2.1364, 0.3122

Inverse Universe

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



19.0310, 13.6366, 68.6464



21.6289, 12.5366, 95.8876



24.0589, 14.3663, 68.5222



12.4593, 12.8584, 16.4774



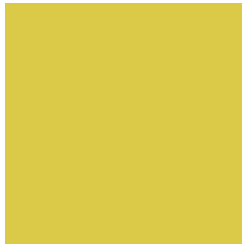
7.8326, 3.5346, 40.0078



0.5488, 0.3117, 2.6057

Previews

White Background



This preview shows how the XYZ color 51.5036, 57.7690, 14.5669 looks on a white background.

Color Contrast Check

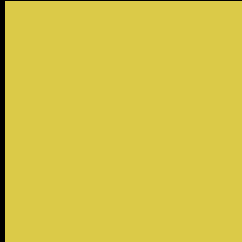
Large Text (above 18pt) WCAG AA × Fail

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 51.5036, 57.7690, 14.5669 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 51.5036, 57.7690, 14.5669

Background



This preview shows how black text looks on a background with the XYZ color 51.5036, 57.7690, 14.5669.

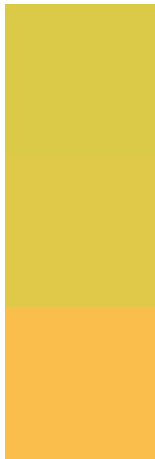


This preview shows how white text looks on a background with the XYZ color 51.5036, 57.7690,

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

51.5036, 57.7690, 14.5669

Protanopia

52.5644, 57.6237, 14.4829

Deuteranopia

58.7849, 57.4885, 14.8356



Tritanopia

61.7298, 57.5778, 64.9869

Trichromacy



Original Color

51.5036, 57.7690, 14.5669

Protanomaly

52.1805, 57.7708, 14.5316

Deuteranomaly

55.8217, 57.2687, 14.7685

Tritanomaly

56.6566, 57.1526, 39.4979

Monochromacy



Original Color

51.5036, 57.7690, 14.5669

Achromatopsia

50.1023, 52.7115, 57.4028

Achromatomaly

49.4423, 54.1745, 35.8678

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.5036, 57.7690, 14.5669 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(219, 202, 72)` looks like.

```
.text, #text, p{  
    color:rgb(219, 202, 72)  
}
```

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(219, 202, 72) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 202, 72) }
```

Border

The CSS property to change the border of an element to XYZ 51.5036, 57.7690, 14.5669 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(219, 202, 72) }
```


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

```
.border{ border-color:rgb(219, 202, 72) }
```

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

Here you see how a box with a 4 pixel `rgb(219, 202, 72)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 202, 72); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 202, 72);  
box-shadow:4px 4px 4px 4px rgb(219, 202,  
72) }
```

Background

The CSS property to change the background color of an element to XYZ 51.5036, 57.7690, 14.5669 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 202, 72) }
```

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

```
.background{ background-color: rgb(219,  
202, 72) }
```

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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