

Converting Colors

XYZ(51.7140, 53.2750, 13.9376)

Have a look what the booklet for
XYZ(51.7140, 53.2750, 13.9376)
contains.

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Color

**XYZ(51.4989, 53.1055,
13.8394)**

Conversions

Conversions Part 1

Format	Color
Hex	E5BC49
RGB	229, 188, 73
RGB Percent	90%, 74%, 29%
CMY	0.1020, 0.2627, 0.7137
CMYK	0.00, 0.18, 0.68, 0.10
HSL	44°, 75%, 59%
HSV	44°, 68%, 90%
XYZ	51.4989, 53.1055, 13.8394
YIQ	187.1490, 61.3510, -27.0730

Conversions

Conversions Part 2

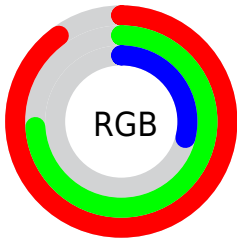
Format	Color
RYB	129, 229, 73
Decimal	15055945
CIELab	77.94, 2.72, 61.40
CIElCh	78, 61.463, 87.464
Yxy	53.1055, 0.4348, 0.4484
Android (android.graphics.Color)	4293246025 (0xFFE5BC49)
YUV	187.1490, -56.2755, 36.7033
Hunter-Lab	72.8735, -1.3847, 39.7517

Details

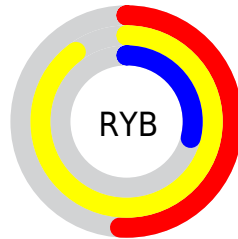
The XYZ color **51.4989, 53.1055, 13.8394** is a light color, and the websafe version is hex **FFCC66**. The color can be described as light muted orange. A complement of this color would be **22.9076, 19.1075, 76.6090**, and the grayscale version is **47.6030, 50.0821, 54.5394**.

A 20% lighter version of the original color is **77.4214, 87.4937, 32.8861**, and **25.2908, 25.8937, 3.9235** is the 20% darker color. If you saturate the color by 10%, you get **49.6164, 50.3403, 10.1309**, and if you desaturate by 10%, it is **53.7169, 56.0949, 19.0392**.

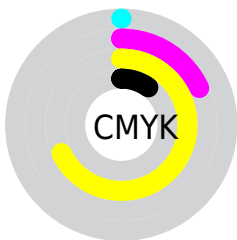
Distribution



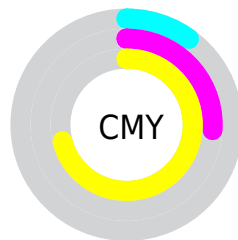
- Red (90%)
- Green (74%)
- Blue (29%)



- Red (51%)
- Yellow (90%)
- Blue (29%)



- Cyan (0%)
- Magenta (18%)
- Yellow (68%)
- Black (10%)



- Cyan (10%)
- Magenta (26%)
- Yellow (71%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 51.4989, 53.1055, 13.8394 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 51.4989, 53.1055, 13.8394 by changing the saturation by 10% instead.

51.4989, 53.1055,
13.8394

51.4989, 53.1055,
13.8394

382.8548,
398.6898, 227.6230

36.8285, 37.8870,
7.8716

91.5704, 94.7596,
33.5168

25.2478, 25.8950,
3.9263

117.7022,
121.9640, 48.0635

16.3915, 16.7451,
1.5850

148.3852,
153.9324, 66.3068

9.8942, 10.0529,
0.2801

183.9846,
191.0494, 88.6654

5.3906, 5.4341,
0.0000

224.8660,
233.6992, 115.5578

2.5153, 2.5041,
0.0000

271.3946,

0.9030, 0.8787,

282.2662, 147.4025

0.0000

323.9357,
337.1350, 184.6181

■ 0.0000, 0.0000,
0.0000

■ 51.4989, 53.1055,
13.8394

■ 51.4989, 53.1055,
13.8394

■ 49.6164, 50.3403,
10.1309

■ 53.7169, 56.0949,
19.0392

■ 48.0327, 47.7772,
7.7396

■ 56.2948, 59.3129,
25.8724

■ 46.7024, 45.3992,
6.4250

■ 59.2587, 62.7732,
34.4677

■ 46.4678, 44.9677,
6.2305

■ 62.6311, 66.4856,
44.9402

■ 66.4325, 70.4593,
57.3952

■ 70.6819, 74.7029,
71.9301

■ 75.3972, 79.2245,
88.6358

■ 80.4009, 83.9540,
106.5749

■ 82.1643, 87.4808,
107.1627

Harmonies

Analogous

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



63.8743, 53.1055, 18.1865



51.4989, 53.1055, 13.8394



40.5989, 53.1055, 16.8726

Triad

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



51.4989, 53.1055, 13.8394



32.7035, 53.1055, 93.8075



72.4395, 53.1055, 100.9457

Complementary

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



51.4989, 53.1055, 13.8394



22.9076, 19.1075, 76.6090

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.



61.8358, 53.1055, 138.1099



51.4989, 53.1055, 13.8394



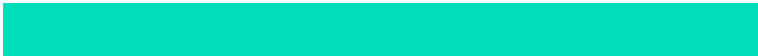
39.0946, 53.1055, 132.9713

Square

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



51.4989, 53.1055, 13.8394



30.8180, 53.1055, 54.9592



49.4651, 53.1055, 151.6730



77.0972, 53.1055, 60.7843

Rectangle

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



51.4989, 53.1055, 13.8394



35.3616, 53.1055, 23.7599



49.4651, 53.1055, 151.6730



69.3778, 53.1055, 114.7215

Sweetspot

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



51.5001, 53.1081, 13.8404



83.7717, 88.8849, 69.8680



37.7673, 22.6521, 18.4817



17.6316, 18.7149, 13.9679



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.



51.5001, 53.1081, 13.8404



62.3975, 62.7891, 11.4053



51.1124, 67.8043, 16.6975



15.2643, 16.1426, 15.2158



26.6712, 25.9166, 3.5967



2.0456, 2.0645, 0.2907

Inverse Universe

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



22.9076, 19.1075, 76.6090



23.8111, 17.0764, 96.6488



22.8818, 13.6994, 75.5665



13.8893, 14.4999, 18.2111



9.0990, 5.2601, 42.9189



0.7467, 0.5372, 3.1963

Previews

White Background



This preview shows how the XYZ color 51.4989, 53.1055, 13.8394 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 51.4989, 53.1055, 13.8394 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 51.4989, 53.1055, 13.8394

Background



This preview shows how black text looks on a background with the XYZ color 51.4989, 53.1055, 13.8394.



This preview shows how white text looks on a background with the XYZ color 51.4989, 53.1055,

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

51.4989, 53.1055, 13.8394

Protanopia

48.3303, 53.0814, 14.1770

Deuteranopia

54.1047, 52.8866, 13.8351



Tritanopia

60.0795, 52.9455, 55.7682

Trichromacy



Original Color

51.4989, 53.1055, 13.8394

Protanomaly

49.3820, 52.9717, 14.1004

Deuteranomaly

53.1771, 53.0252, 13.9107

Tritanomaly

55.8487, 52.4113, 34.7766

Monochromacy



Original Color

51.4989, 53.1055, 13.8394

Achromatopsia

47.2335, 49.6933, 54.1160

Achromatomaly

47.3158, 50.1725, 34.3846

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.4989, 53.1055, 13.8394 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(229, 188, 73)` looks like.

```
.text, #text, p{  
    color:rgb(229, 188, 73)  
}
```

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(229, 188, 73) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 188, 73) }
```

Border

The CSS property to change the border of an element to XYZ 51.4989, 53.1055, 13.8394 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(229, 188, 73) }
```


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

```
.border{ border-color:rgb(229, 188, 73) }
```

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

Here you see how a box with a 4 pixel `rgb(229, 188, 73)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 188, 73); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 188, 73);  
box-shadow:4px 4px 4px 4px rgb(229, 188,  
73) }
```

Background

The CSS property to change the background color of an element to XYZ 51.4989, 53.1055, 13.8394 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 188, 73) }
```

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

```
.background{ background-color: rgb(229,  
188, 73) }
```

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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