

Converting Colors

XYZ(53.9061, 59.2346, 12.1062)

Have a look what the booklet for
XYZ(53.9061, 59.2346, 12.1062)
contains.

XYZ(53.7813, 59.0014, 12.0439)	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(53.7813, 59.0014,
12.0439)**

Conversions

Conversions Part 1

Format	Color
Hex	E4CA36
RGB	228, 202, 54
RGB Percent	89%, 79%, 21%
CMY	0.1059, 0.2078, 0.7882
CMYK	0.00, 0.11, 0.76, 0.11
HSL	51°, 76%, 55%
HSV	51°, 76%, 89%
XYZ	53.7813, 59.0014, 12.0439
YIQ	192.9020, 63.0040, -40.5160

Conversions

Conversions Part 2

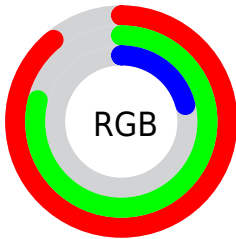
Format	Color
RYB	85, 228, 54
Decimal	14993974
CIELab	81.29, -5.81, 71.74
CIELCh	81, 71.974, 94.628
Yxy	59.0014, 0.4308, 0.4727
Android (android.graphics.Color)	4293184054 (0xFFE4CA36)
YUV	192.9020, -68.4787, 30.7809
Hunter-Lab	76.8124, -9.4423, 44.4722

Details

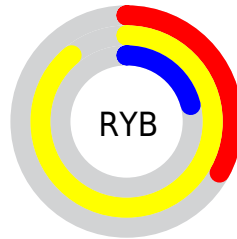
The XYZ color **53.7813, 59.0014, 12.0439** is a light color, and the websafe version is hex **CCCC33**. The color can be described as light washed yellow. A complement of this color would be **18.3937, 12.1230, 74.7688**, and the grayscale version is **50.9964, 53.6522, 58.4273**.

A 20% lighter version of the original color is **79.9246, 93.9499, 29.2509**, and **26.7384, 29.5046, 4.2857** is the 20% darker color. If you saturate the color by 10%, you get **52.5762, 57.2569, 9.5912**, and if you desaturate by 10%, it is **55.2575, 60.8871, 15.8253**.

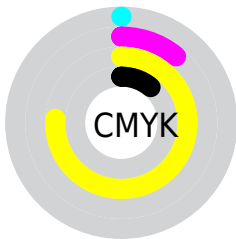
Distribution



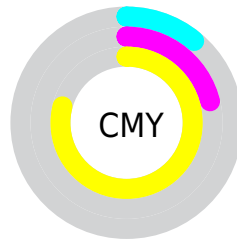
- Red (89%)
- Green (79%)
- Blue (21%)



- Red (33%)
- Yellow (89%)
- Blue (21%)



- Cyan (0%)
- Magenta (11%)
- Yellow (76%)
- Black (11%)



- Cyan (11%)
- Magenta (21%)
- Yellow (79%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 53.7813, 59.0014, 12.0439 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 53.7813, 59.0014, 12.0439 by changing the saturation by 10% instead.

■ 53.7813, 59.0014,
12.0439

■ 53.7813, 59.0014,
12.0439

391.4875,
420.9071, 215.6839

■ 38.6568, 42.6142,
6.6507

■ 94.9118, 103.3797,
30.2406

■ 26.6724, 29.5826,
3.1695

■ 121.6486,
132.1396, 43.8812

■ 17.4626, 19.5220,
1.1818

■ 152.9868,
165.7926, 61.1080

■ 10.6622, 12.0480,
0.0000

■ 189.2919,
204.7230, 82.3395

■ 5.9058, 6.7764,
0.0000

■ 230.9291,
249.3153, 107.9944

■ 2.8280, 3.3227,
0.0000

278.2639,

■ 1.0635, 1.3024,

299.9538, 138.4910

0.0000

331.6616,
357.0229, 174.2480

■ 0.0000, 0.1431,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 53.7813, 59.0014,
12.0439

■ 53.7813, 59.0014,
12.0439

■ 52.5762, 57.2569,
9.5912

■ 55.2575, 60.8871,
15.8253

■ 51.5993, 55.6295,
8.2594

■ 57.0318, 62.9182,
21.0954

■ 51.2727, 55.0499,
7.9233

■ 59.1324, 65.1084,
27.9950

■ 61.5827, 67.4672,
36.6480

■ 64.4042, 70.0034,
47.1661

■ 67.6163, 72.7250,
59.6517

■ 71.2372, 75.6394,
74.1998

■ 75.2839, 78.7535,
90.8991

■ 79.0877, 81.8000,
106.2284

Harmonies

Analogous

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



69.3834, 59.0014, 14.7487



53.7813, 59.0014, 12.0439



41.2196, 59.0014, 17.3946

Triad

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



53.7813, 59.0014, 12.0439



35.5173, 59.0014, 123.6210



86.4229, 59.0014, 106.5891

Complementary

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



53.7813, 59.0014, 12.0439



18.3937, 12.1230, 74.7688

Split Complementary

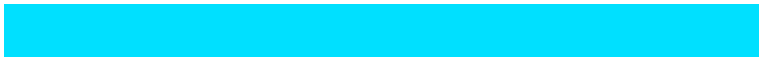
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



74.1389, 59.0014, 159.1379



53.7813, 59.0014, 12.0439



44.5944, 59.0014, 171.6692

Square

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



53.7813, 59.0014, 12.0439



31.9418, 59.0014, 71.1488



58.4414, 59.0014, 186.9407



90.0629, 59.0014, 57.7983

Rectangle

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



53.7813, 59.0014, 12.0439



35.6760, 59.0014, 27.2786



58.4414, 59.0014, 186.9407



83.0720, 59.0014, 124.9857

Sweetspot

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



53.7826, 59.0042, 12.0451



84.2720, 91.3180, 65.6182



34.7660, 19.7135, 9.5825



17.7301, 19.2798, 12.8663



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.



53.7826, 59.0042, 12.0451



66.9507, 72.4736, 11.1408



44.3670, 63.9794, 13.5016



15.4085, 16.4309, 15.2638



29.6763, 31.9267, 4.5984



2.2430, 2.4594, 0.3565

Inverse Universe

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



18.3937, 12.1230, 74.7688



19.7342, 10.1480, 95.5264



22.3805, 11.8786, 74.5115



13.7557, 14.2329, 18.1665



8.4705, 4.0031, 42.7094



0.6802, 0.4044, 3.1742

Previews

White Background



This preview shows how the XYZ color 53.7813, 59.0014, 12.0439 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 53.7813, 59.0014, 12.0439 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 53.7813, 59.0014, 12.0439

Background



This preview shows how black text looks on a background with the XYZ color 53.7813, 59.0014, 12.0439.



This preview shows how white text looks on a background with the XYZ color 53.7813, 59.0014,

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

53.7813, 59.0014, 12.0439

Protanopia

53.4649, 58.8383, 12.0291

Deuteranopia

60.1214, 58.8874, 12.2007



Tritanopia

64.3593, 58.6290, 64.4243

Trichromacy



Original Color

53.7813, 59.0014, 12.0439

Protanomaly

53.4649, 58.8383, 12.0291

Deuteranomaly

57.7867, 59.0084, 12.2150

Tritanomaly

58.7557, 57.9720, 36.5267

Monochromacy



Original Color

53.7813, 59.0014, 12.0439

Achromatopsia

50.6879, 53.3276, 58.0738

Achromatomaly

50.0760, 54.5547, 33.4820

CSS Examples

Text

The CSS property to change the color of the text to XYZ 53.7813, 59.0014, 12.0439 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(228, 202, 54)` looks like.

```
.text, #text, p{  
    color:rgb(228, 202, 54)  
}
```

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(228, 202, 54) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 202, 54) }
```

Border

The CSS property to change the border of an element to XYZ 53.7813, 59.0014, 12.0439 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(228, 202, 54) }
```


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

```
.border{ border-color:rgb(228, 202, 54) }
```

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

Here you see how a box with a 4 pixel rgb(228, 202, 54) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 202, 54); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 202, 54);  
box-shadow:4px 4px 4px 4px rgb(228, 202,  
54) }
```

Background

The CSS property to change the background color of an element to XYZ 53.7813, 59.0014, 12.0439 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 202, 54) }
```

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

```
.background{ background-color: rgb(228,  
202, 54) }
```

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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