

Converting Colors

XYZ(50.7413, 59.9605, 13.3710)

Have a look what the booklet for
XYZ(50.7413, 59.9605, 13.3710)
contains.

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Color

**XYZ(50.7941, 59.9349,
13.3063)**

Conversions

Conversions Part 1

Format	Color
Hex	D4D13D
RGB	212, 209, 61
RGB Percent	83%, 82%, 24%
CMY	0.1686, 0.1804, 0.7608
CMYK	0.00, 0.01, 0.71, 0.17
HSL	59°, 64%, 54%
HSV	59°, 71%, 83%
XYZ	50.7941, 59.9349, 13.3063
YIQ	193.0250, 49.2960, -45.3920

Conversions

Conversions Part 2

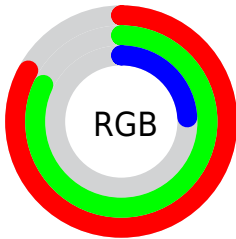
Format	Color
RYB	64, 212, 61
Decimal	13947197
CIELab	81.80, -15.81, 69.38
CIElCh	82, 71.155, 102.839
Yxy	59.9349, 0.4095, 0.4832
Android (android.graphics.Color)	4292137277 (0xFFD4D13D)
YUV	193.0250, -65.0883, 16.6411
Hunter-Lab	77.4176, -18.3661, 44.0018

Details

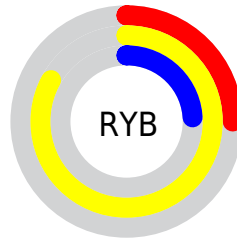
The XYZ color **50.7941, 59.9349, 13.3063** is a light color, and the websafe version is hex **CCCC33**. The color can be described as light muted yellow. A complement of this color would be **15.6417, 9.4123, 63.2792**, and the grayscale version is **51.0552, 53.7141, 58.4946**.

A 20% lighter version of the original color is **80.2700, 94.0880, 31.0697**, and **25.0478, 30.3127, 4.5308** is the 20% darker color. If you saturate the color by 10%, you get **50.2298, 59.5466, 10.8364**, and if you desaturate by 10%, it is **51.5871, 60.4196, 16.9668**.

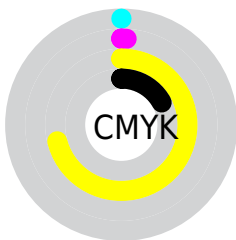
Distribution



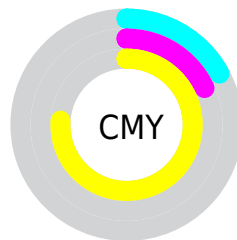
- Red (83%)
- Green (82%)
- Blue (24%)



- Red (25%)
- Yellow (83%)
- Blue (24%)



- Cyan (0%)
- Magenta (1%)
- Yellow (71%)
- Black (17%)



- Cyan (17%)
- Magenta (18%)
- Yellow (76%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 50.7941, 59.9349, 13.3063 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 50.7941, 59.9349, 13.3063 by changing the saturation by 10% instead.

■ 50.7941, 59.9349,
13.3063

■ 50.7941, 59.9349,
13.3063

380.1641,
424.3578, 224.1478

■ 36.2651, 43.3662,
7.5066

■ 90.5351, 104.7352,
32.5522

■ 24.8101, 30.1725,
3.6977

■ 116.4780,
133.7356, 46.8355

■ 16.0636, 19.9696,
1.4610

■ 146.9561,
167.6487, 64.7837

■ 9.6603, 12.3729,
0.1886

■ 182.3349,
206.8588, 86.8154

■ 5.2348, 6.9982,
0.0000

■ 222.9798,
251.7503, 113.3491

■ 2.4219, 3.4610,
0.0000

269.2560,

■ 0.8560, 1.3769,

302.7078, 144.8034

0.0000

321.5290,
360.1155, 181.5968

■ 0.0000, 0.1996,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 50.7941, 59.9349,
13.3063

■ 50.7941, 59.9349,
13.3063

■ 50.2298, 59.5466,
10.8364

■ 51.5871, 60.4196,
16.9668

■ 49.8615, 59.2350,
9.4041

■ 52.6284, 61.0017,
21.9395

■ 49.6574, 59.0095,
8.7727

■ 53.9401, 61.6925,
28.3348

■ 55.5408, 62.4993,
36.2508

■ 57.4475, 63.4289,
45.7767

■ 59.6759, 64.4877,
56.9948

■ 62.2404, 65.6813,
69.9819

■ 65.1547, 67.0153,
84.8100

■ 68.4319, 68.4949,
101.5471

Harmonies

Analogous

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



65.9086, 59.9349, 13.8729



50.7941, 59.9349, 13.3063



39.5180, 59.9349, 21.4924

Triad

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



50.7941, 59.9349, 13.3063



38.3245, 59.9349, 139.0867



89.2115, 59.9349, 92.7957

Complementary

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



50.7941, 59.9349, 13.3063



15.6417, 9.4123, 63.2792

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.



78.9164, 59.9349, 146.5126



50.7941, 59.9349, 13.3063



48.8718, 59.9349, 180.2940

Square

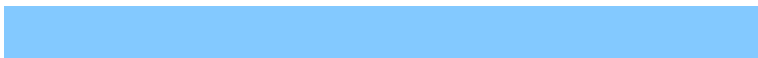
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



50.7941, 59.9349, 13.3063



33.2163, 59.9349, 85.3905



63.6193, 59.9349, 183.4883



89.9731, 59.9349, 48.5696

Rectangle

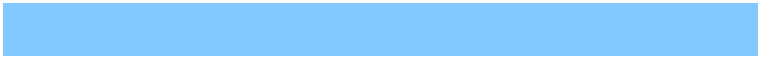
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



50.7941, 59.9349, 13.3063



34.9629, 59.9349, 34.3447



63.6193, 59.9349, 183.4883



86.6780, 59.9349, 110.7020

Sweetspot

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



50.7955, 59.9377, 13.3075



87.2579, 96.3428, 69.5333



29.8047, 17.7288, 7.0113



18.4935, 20.5328, 13.9645



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.



50.7955, 59.9377, 13.3075



75.9984, 90.2106, 15.2618



35.4615, 53.1333, 12.8023



13.4508, 14.4757, 13.2459



30.6656, 36.4485, 5.4190



1.8565, 2.2121, 0.3291

Inverse Universe

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



15.6417, 9.4123, 63.2792



19.7061, 9.3318, 95.3703



22.9855, 12.9543, 63.5758



11.7622, 12.0477, 15.6430



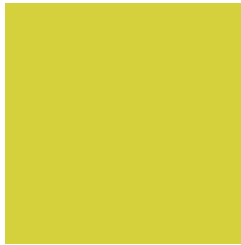
7.3732, 3.0081, 38.6452



0.4518, 0.1957, 2.3333

Previews

White Background



This preview shows how the XYZ color 50.7941, 59.9349, 13.3063 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 50.7941, 59.9349, 13.3063 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 50.7941, 59.9349, 13.3063

Background



This preview shows how black text looks on a background with the XYZ color 50.7941, 59.9349, 13.3063.



This preview shows how white text looks on a background with the XYZ color 50.7941, 59.9349,

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

50.7941, 59.9349, 13.3063

Protanopia

54.4034, 60.0060, 12.9899

Deuteranopia

60.9561, 59.6160, 13.6045



Tritanopia

62.1993, 59.6909, 69.2160

Trichromacy



Original Color

50.7941, 59.9349, 13.3063

Protanomaly

53.0111, 59.9985, 13.0618

Deuteranomaly

56.9742, 59.5792, 13.4981

Tritanomaly

56.1702, 58.9245, 39.8656

Monochromacy



Original Color

50.7941, 59.9349, 13.3063

Achromatopsia

50.6879, 53.3276, 58.0738

Achromatomaly

49.3537, 55.1705, 34.8358

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.7941, 59.9349, 13.3063 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(212, 209, 61)` looks like.

```
.text, #text, p{  
    color:rgb(212, 209, 61)  
}
```

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(212, 209, 61) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 209, 61) }
```

Border

The CSS property to change the border of an element to XYZ 50.7941, 59.9349, 13.3063 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(212, 209, 61) }
```


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

```
.border{ border-color:rgb(212, 209, 61) }
```

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

Here you see how a box with a 4 pixel `rgb(212, 209, 61)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 209, 61); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 209, 61);  
box-shadow:4px 4px 4px 4px rgb(212, 209,  
61) }
```

Background

The CSS property to change the background color of an element to XYZ 50.7941, 59.9349, 13.3063 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 209, 61) }
```

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

```
.background{ background-color: rgb(212,  
209, 61) }
```

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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