

Converting Colors

XYZ(47.6447, 59.9166, 9.0539)

Have a look what the booklet for
XYZ(47.6447, 59.9166, 9.0539)
contains.

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Color

**XYZ(47.6137, 59.8679,
9.0461)**

Conversions

Conversions Part 1

Format	Color
Hex	C8D500
RGB	200, 213, 0
RGB Percent	78%, 84%, 0%
CMY	0.2157, 0.1647, 0.9999
CMYK	0.06, 0.00, 1.00, 0.16
HSL	64°, 100%, 42%
HSV	64°, 100%, 84%
XYZ	47.6137, 59.8679, 9.0461
YIQ	184.8310, 60.6250, -68.9990

Conversions

Conversions Part 2

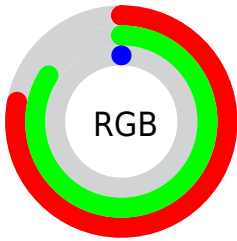
Format	Color
RYB	0, 213, 13
Decimal	13161728
CIELab	81.77, -24.31, 81.29
CIELCh	82, 84.849, 106.646
Yxy	59.8679, 0.4086, 0.5138
Android (android.graphics.Color)	4291351808 (0xFFC8D500)
YUV	184.8310, -91.1217, 13.3032
Hunter-Lab	77.3743, -25.5619, 47.2302

Details

The XYZ color **47.6137, 59.8679, 9.0461** is a dark color, and the websafe version is hex **CCCC00**. The color can be described as middle washed yellow. A complement of this color would be **12.1777, 4.8907, 63.2567**, and the grayscale version is **46.4902, 48.9114, 53.2645**.

A 20% lighter version of the original color is **78.6797, 93.4519, 22.6953**, and **23.3826, 30.4590, 4.6468** is the 20% darker color. If you saturate the color by 10%, you get **47.6145, 59.8704, 9.0466**, and if you desaturate by 10%, it is **48.1022, 60.1059, 9.7917**.

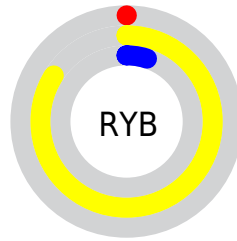
Distribution



Red (78%)

Green (84%)

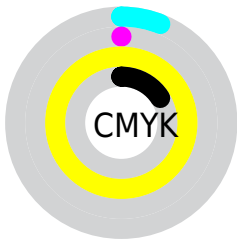
Blue (0%)



Red (0%)

Yellow (84%)

Blue (5%)

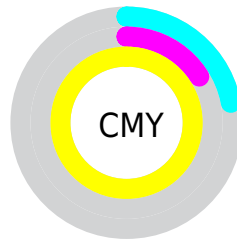


Cyan (6%)

Magenta (0%)

Yellow (100%)

Black (16%)



Cyan (22%)


Magenta (16%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 47.6137, 59.8679, 9.0461 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 47.6137, 59.8679, 9.0461 by changing the saturation by 10% instead.


 47.6137, 59.8679,
9.0461


 47.6137, 59.8679,
9.0461


367.8670,
424.1107, 193.9521


 33.7310, 43.3122,
4.6740


 85.8421, 104.6380,
24.5643

 22.8490, 30.1301,
2.0019


 110.9186,
133.6212, 36.5475


 14.6021, 19.9374,
0.5565


 140.4571,
167.5156, 51.9048

 8.6251, 12.3495,
0.0000

 174.8230,
206.7057, 71.0548

 4.5526, 6.9822,
0.0000

 214.3815,
251.5759, 94.4159

 2.0193, 3.4510,
0.0000

 259.4982,

 0.6448, 1.3715,

302.5105, 122.4069

0.0000

310.5382,
359.8940, 155.4461

■ 0.0000, 0.1955,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 47.6137, 59.8679,
9.0461

■ 47.6137, 59.8679,
9.0461

■ 47.6145, 59.8704,
9.0466

■ 48.1022, 60.1059,
9.7917

■ 48.7449, 60.4036,
11.3396

■ 49.5939, 60.7842,
13.9582

■ 50.6771, 61.2588,
17.7949

■ 52.0183, 61.8369,
22.9741

■ 53.6380, 62.5269,
29.6048

■ 55.5550, 63.3360,
37.7848

■ 57.7861, 64.2712,
47.6035

■ 60.3470, 65.3386,
59.1435

Harmonies

Analogous

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



65.2162, 59.8679, 8.6594



47.6137, 59.8679, 9.0461



35.3907, 59.8679, 18.2708

Triad

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



47.6137, 59.8679, 9.0461



36.4178, 59.8679, 166.1558



97.3238, 59.8679, 90.6675

Complementary

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



47.6137, 59.8679, 9.0461



12.1777, 4.8907, 63.2567

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.



85.7325, 59.8679, 158.8057



47.6137, 59.8679, 9.0461



49.3274, 59.8679, 215.5256

Square

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



47.6137, 59.8679, 9.0461



29.9158, 59.8679, 97.6453



67.3273, 59.8679, 212.2937



96.5948, 59.8679, 40.8585

Rectangle

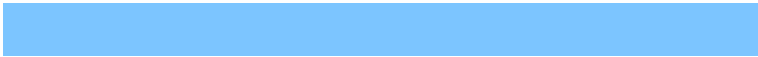
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



47.6137, 59.8679, 9.0461



30.8208, 59.8679, 33.4328



67.3273, 59.8679, 212.2937



94.6505, 59.8679, 112.5119

Sweetspot

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



47.6151, 59.8707, 9.0473



83.3883, 95.1392, 56.3518



27.5583, 14.3790, 1.3237



17.5752, 20.2485, 10.8851



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.



47.6151, 59.8707, 9.0473



71.5012, 89.9453, 13.5927



28.6056, 50.0709, 8.1577



13.3945, 14.4796, 13.2496



29.1152, 36.5858, 5.5272



1.7793, 2.2186, 0.3345

Inverse Universe

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



12.1777, 4.8907, 63.2567



18.2565, 7.3264, 95.0597



19.3695, 8.5982, 63.5933



11.8121, 12.0445, 15.6398



7.4670, 3.0019, 38.6390



0.4756, 0.1941, 2.3317

Previews

White Background



This preview shows how the XYZ color 47.6137, 59.8679, 9.0461 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 47.6137, 59.8679, 9.0461 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 47.6137, 59.8679, 9.0461

Background



This preview shows how black text looks on a background with the XYZ color 47.6137, 59.8679, 9.0461.



This preview shows how white text looks on a background with the XYZ color 47.6137, 59.8679,

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

47.6137, 59.8679, 9.0461

Protanopia

53.9060, 59.8437, 8.7098

Deuteranopia

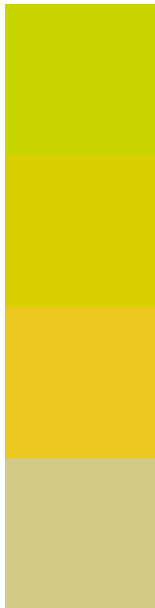
60.8643, 59.6217, 11.2060



Tritanopia

60.3560, 59.6903, 71.9586

Trichromacy



Original Color

47.6137, 59.8679, 9.0461

Protanomaly

51.2263, 59.5311, 8.7907

Deuteranomaly

55.1625, 59.0696, 9.7905

Tritanomaly

52.3782, 58.1911, 31.7639

Monochromacy



Original Color

47.6137, 59.8679, 9.0461

Achromatopsia

46.1135, 48.5150, 52.8328

Achromatomaly

44.0203, 51.2854, 24.7185

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.6137, 59.8679, 9.0461 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(200, 213, 0)` looks like.

```
.text, #text, p{  
    color:rgb(200, 213, 0)  
}
```

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(200, 213, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 213, 0) }
```

Border

The CSS property to change the border of an element to XYZ 47.6137, 59.8679, 9.0461 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(200, 213, 0) }
```


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

```
.border{ border-color:rgb(200, 213, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(200, 213, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 213, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 213, 0);  
box-shadow:4px 4px 4px 4px rgb(200, 213,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 47.6137, 59.8679, 9.0461 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 213, 0) }
```

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

```
.background{ background-color: rgb(200,  
213, 0) }
```

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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