

# Converting Colors

XYZ(49.3249, 59.2910, 9.7709)

Have a look what the booklet for  
XYZ(49.3249, 59.2910, 9.7709)  
contains.

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# Color

**XYZ(49.2704, 59.2264,  
9.7547)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D1D119
RGB	209, 209, 25
RGB Percent	82%, 82%, 10%
CMY	0.1804, 0.1804, 0.9019
CMYK	0.00, 0.00, 0.88, 0.18
HSL	60°, 79%, 46%
HSV	60°, 88%, 82%
XYZ	49.2704, 59.2264, 9.7547
YIQ	188.0240, 59.0640, -57.2240

# Conversions

## Conversions Part 2

Format	Color
R <sub>Y</sub> B	25, 209, 25
Decimal	13750553
CIE Lab	81.42, -18.24, 78.47
CIE LCh	81, 80.559, 103.087
Yxy	59.2264, 0.4167, 0.5009
Android (android.graphics.Color)	4291940633 (0xFFD1D119)
YUV	188.0240, -80.3708, 18.3960
Hunter-Lab	76.9587, -20.3987, 46.3559

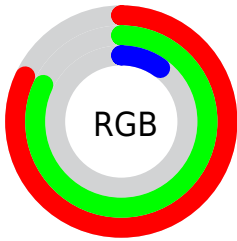
# Details

The XYZ color **49.2704, 59.2264, 9.7547** is a light color, and the websafe version is hex **CCCC00**.

The color can be described as light washed yellow. A complement of this color would be **12.2586, 5.5065, 60.7421**, and the grayscale version is **48.2347, 50.7466, 55.2631**.

A 20% lighter version of the original color is **79.0204, 93.5882, 24.4892**, and **24.2990, 29.9267, 4.4957** is the 20% darker color. If you saturate the color by 10%, you get **49.1185, 59.1678, 8.9498**, and if you desaturate by 10%, it is **49.5878, 59.3556, 11.4191**.

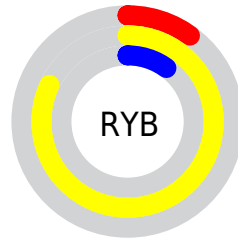
# Distribution



Red (82%)

Green (82%)

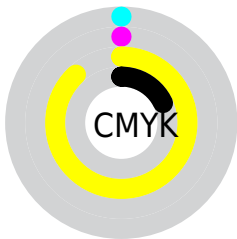
Blue (10%)



Red (10%)

Yellow (82%)

Blue (10%)

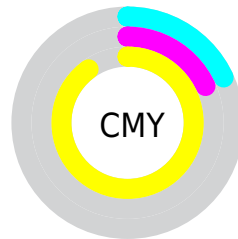


Cyan (0%)

Magenta (0%)

Yellow (88%)

Black (18%)



Cyan (18%)

Magenta (18%)


Yellow (90%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 49.2704, 59.2264, 9.7547 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 49.2704, 59.2264, 9.7547 by changing the saturation by 10% instead.





 49.2704, 59.2264,  
9.7547


 49.2704, 59.2264,  
9.7547


374.3052,  
421.7404, 199.3330

 35.0494, 42.7954,  
5.1331


 88.2912, 103.7066,  
25.9336

 23.8677, 29.7246,  
2.2655


 113.8218,  
132.5247, 38.3281


 15.3597, 19.6297,  
0.7118


 143.8530,  
166.2405, 54.1506

 9.1602, 12.1261,  
0.0000

 178.7501,  
205.2385, 73.8198

 4.9037, 6.8296,  
0.0000

 218.8785,  
249.9031, 97.7540

 2.2251, 3.3558,  
0.0000

 264.6036,

 0.7559, 1.3202,

300.6187, 126.3720

0.0000

316.2907,  
357.7697, 160.0921

■ 0.0000, 0.1567,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 49.2704, 59.2264,  
9.7547

■ 49.2704, 59.2264,  
9.7547

■ 49.1185, 59.1678,  
8.9498

■ 49.5878, 59.3556,  
11.4191

■ 49.0959, 59.1588,  
8.8312

■ 50.1041, 59.5622,  
14.1369

■ 50.8464, 59.8591,  
18.0447

■ 51.8366, 60.2552,  
23.2580

■ 53.0940, 60.7582,  
29.8782

■ 54.6360, 61.3750,  
37.9972

■ 56.4785, 62.1121,  
47.6987

■ 58.6364, 62.9752,  
59.0606

■ 61.1233, 63.9700,  
72.1553

# Harmonies

## Analogous

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



66.2545, 59.2264, 10.2169



49.2704, 59.2264, 9.7547



36.9338, 59.2264, 17.6864

# Triad

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



49.2704, 59.2264, 9.7547



35.7911, 59.2264, 150.9121



93.3302, 59.2264, 95.4238

# Complementary

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



49.2704, 59.2264, 9.7547



12.2586, 5.5065, 60.7421

# 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.



81.4535, 59.2264, 158.7646



49.2704, 59.2264, 9.7547



47.3835, 59.2264, 200.2384

# Square

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



49.2704, 59.2264, 9.7547



30.2642, 59.2264, 87.8637



63.9529, 59.2264, 203.6698



94.1165, 59.2264, 45.6753



# Rectangle

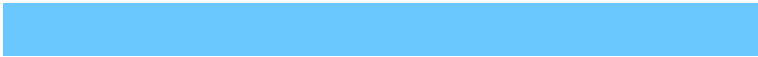
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



49.2704, 59.2264, 9.7547



32.0624, 59.2264, 30.9453



63.9529, 59.2264, 203.6698



90.4088, 59.2264, 116.2663

# Sweetspot

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



49.2717, 59.2292, 9.7559



86.1519, 96.4407, 62.0478



26.8196, 14.3222, 2.2713



18.2414, 20.5628, 12.2347



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.



49.2717, 59.2292, 9.7559



76.9967, 92.7783, 13.8498



30.3148, 49.4565, 8.8687



12.8034, 13.7976, 12.6004



30.2692, 36.4733, 5.4447



1.6925, 2.0394, 0.3044



# Inverse Universe

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



12.2586, 5.5065, 60.7421



18.0501, 7.2201, 95.0500



19.1946, 9.0821, 61.0667



11.1638, 11.4177, 14.8591



7.0959, 2.8384, 37.3664



0.3968, 0.1587, 2.0893



# Previews

## White Background



This preview shows how the XYZ color 49.2704, 59.2264, 9.7547 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 49.2704, 59.2264, 9.7547 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 49.2704, 59.2264, 9.7547**

## **Background**



This preview shows how black text looks on a background with the XYZ color 49.2704, 59.2264, 9.7547.



This preview shows how white text looks on a background with the XYZ color 49.2704, 59.2264,



# 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

49.2704, 59.2264, 9.7547

### Protanopia

53.5055, 59.2677, 9.4304

### Deuteranopia

60.4558, 59.1058, 10.1416



## Tritanopia

61.3561, 58.9247, 69.1126

# Trichromacy



## Original Color

49.2704, 59.2264, 9.7547

## Protanomaly

51.8150, 59.1007, 9.5408

## Deuteranomaly

55.7427, 58.6808, 9.9019

## Tritanomaly

54.2948, 57.7354, 34.2690

# Monochromacy



## Original Color

49.2704, 59.2264, 9.7547

## Achromatopsia

47.7994, 50.2886, 54.7643

## Achromatomaly

46.4673, 52.8006, 28.5113

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 49.2704, 59.2264, 9.7547 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(209, 209, 25)` looks like.

```
.text, #text, p{  
    color:rgb(209, 209, 25)  
}
```

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(209, 209, 25) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 209, 25) }
```

## Border

The CSS property to change the border of an element to XYZ 49.2704, 59.2264, 9.7547 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(209, 209, 25) }
```



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

```
.border{ border-color:rgb(209, 209, 25) }
```

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

Here you see how a box with a 4 pixel `rgb(209, 209, 25)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 209, 25); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 209, 25);  
box-shadow:4px 4px 4px 4px rgb(209, 209,  
25) }
```

# Background

The CSS property to change the background color of an element to XYZ 49.2704, 59.2264, 9.7547 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 209, 25) }
```

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

```
.background{ background-color: rgb(209,  
209, 25) }
```

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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