

# Converting Colors

XYZ(50.4564, 59.4513, 9.7817)

Have a look what the booklet for  
XYZ(50.4564, 59.4513, 9.7817)  
contains.

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# Color

**XYZ(50.4739, 59.4825,  
9.7983)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D6D01A
RGB	214, 208, 26
RGB Percent	84%, 82%, 10%
CMY	0.1608, 0.1843, 0.8980
CMYK	0.00, 0.03, 0.88, 0.16
HSL	58°, 78%, 47%
HSV	58°, 88%, 84%
XYZ	50.4739, 59.4825, 9.7983
YIQ	189.0460, 61.9980, -55.3300

# Conversions

## Conversions Part 2

<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	32, 214, 26
Decimal	14077978
CIE <sub>Lab</sub>	81.56, -15.60, 78.58
CIE <sub>LCh</sub>	82, 80.110, 101.231
Yxy	59.4825, 0.4215, 0.4967
Android (android.graphics.Color)	4292268058 (0xFFD6D01A)
YUV	189.0460, -80.3817, 21.8847
Hunter-Lab	77.1249, -18.1504, 46.4550

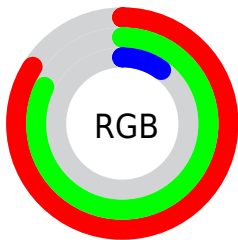
# Details

The XYZ color **50.4739, 59.4825, 9.7983** 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 **13.0805, 6.1081, 64.1074**, and the grayscale version is **48.8190, 51.3614, 55.9326**.

A 20% lighter version of the original color is **79.0204, 93.5882, 24.4892**, and **25.0732, 30.0798, 4.4845** is the 20% darker color. If you saturate the color by 10%, you get **50.1479, 59.0888, 8.8947**, and if you desaturate by 10%, it is **50.9768, 59.9527, 11.6184**.

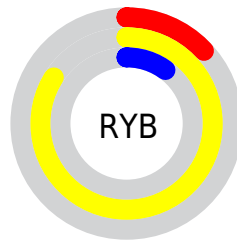
# Distribution



Red (84%)

Green (82%)

Blue (10%)



Red (13%)

Yellow (84%)

Blue (10%)

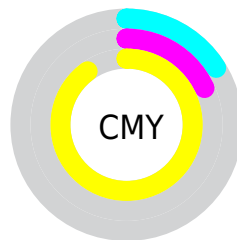


Cyan (0%)

Magenta (3%)

Yellow (88%)

Black (16%)



Cyan (16%)

Magenta (18%)


Yellow (90%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 50.4739, 59.4825, 9.7983 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 50.4739, 59.4825, 9.7983 by changing the saturation by 10% instead.





 50.4739, 59.4825,  
9.7983


 50.4739, 59.4825,  
9.7983


378.9377,  
422.6876, 199.6586

 36.0094, 43.0017,  
5.1616


 90.0643, 104.0786,  
26.0173


 24.6116, 29.8864,  
2.2820


 115.9209,  
132.9626, 38.4366


 15.9151, 19.7524,  
0.7211


 146.3055,  
166.7499, 54.2873

 9.5546, 12.2152,  
0.0000

 181.5837,  
205.8247, 73.9877

 5.1646, 6.8904,  
0.0000

 222.1206,  
250.5715, 97.9565

 2.3799, 3.3937,  
0.0000

 268.2817,

 0.8351, 1.3405,

301.3746, 126.6123

0.0000

320.4323,  
358.6186, 160.3734

■ 0.0000, 0.1723,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 50.4739, 59.4825,  
9.7983

■ 50.4739, 59.4825,  
9.7983

■ 50.1479, 59.0888,  
8.8947

■ 50.9768, 59.9527,  
11.6184

■ 50.0870, 59.0073,  
8.7497

■ 51.6912, 60.5063,  
14.5542

■ 52.6455, 61.1571,  
18.7501

■ 53.8629, 61.9142,  
24.3281

■ 55.3639, 62.7860,  
31.3957

■ 57.1668, 63.7796,  
40.0499

■ 59.2886, 64.9020,  
50.3794

■ 61.7449, 66.1593,  
62.4666

■ 64.5501, 67.5573,  
76.3881

# Harmonies

## Analogous

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



67.5835, 59.4825, 10.7199



50.4739, 59.4825, 9.7983



37.8018, 59.4825, 17.1226

# Triad

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



50.4739, 59.4825, 9.7983



35.5509, 59.4825, 146.9077



92.9805, 59.4825, 99.3382

# Complementary

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



50.4739, 59.4825, 9.7983



13.0805, 6.1081, 64.1074

# 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.



80.6190, 59.4825, 162.2671



50.4739, 59.4825, 9.7983



46.7638, 59.4825, 197.8356

# Square

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



50.4739, 59.4825, 9.7983



30.3963, 59.4825, 84.5126



63.0657, 59.4825, 204.5398



94.5210, 59.4825, 48.3636



# Rectangle

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



50.4739, 59.4825, 9.7983



32.6792, 59.4825, 29.6573



63.0657, 59.4825, 204.5398



89.8532, 59.4825, 120.2939

# Sweetspot

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



50.4752, 59.4853, 9.7995



85.4821, 95.0999, 61.8243



28.3655, 15.1412, 2.8140



18.0790, 20.2378, 12.1805



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.



50.4752, 59.4853, 9.7995



74.4611, 87.7021, 13.0037



32.8774, 52.6237, 9.4026



13.4373, 14.4488, 13.2414



30.2899, 35.6970, 5.2938



1.8378, 2.1748, 0.3229



# Inverse Universe

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



13.0805, 6.1081, 64.1074



18.1382, 7.3965, 95.0794



19.4128, 9.1543, 64.3616



11.7740, 12.0715, 15.6470



7.3955, 3.0528, 38.6526

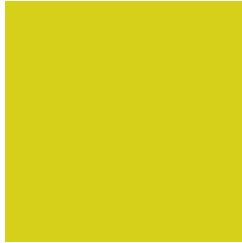


0.4575, 0.2070, 2.3352



# Previews

## White Background



This preview shows how the XYZ color 50.4739, 59.4825, 9.7983 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 50.4739, 59.4825, 9.7983 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 50.4739, 59.4825, 9.7983**

## **Background**



This preview shows how black text looks on a background with the XYZ color 50.4739, 59.4825, 9.7983.



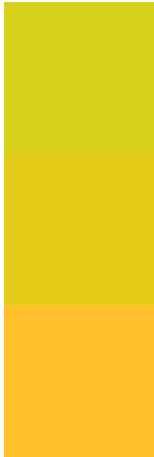
This preview shows how white text looks on a background with the XYZ color 50.4739, 59.4825,



# 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

50.4739, 59.4825, 9.7983

### Protanopia

53.5157, 59.2718, 9.4842

### Deuteranopia

60.5443, 59.1411, 10.6072



## Tritanopia

62.2571, 59.0743, 68.4428

# Trichromacy



## Original Color

50.4739, 59.4825, 9.7983

## Protanomaly

52.4382, 59.4208, 9.6253

## Deuteranomaly

56.4632, 59.0470, 10.1715

## Tritanomaly

55.2008, 57.8708, 33.8520

# Monochromacy



## Original Color

50.4739, 59.4825, 9.7983

## Achromatopsia

48.3692, 50.8881, 55.4172

## Achromatomaly

47.0579, 53.0973, 28.8877

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 50.4739, 59.4825, 9.7983 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(214, 208, 26)` looks like.

```
.text, #text, p{  
  color:rgb(214, 208, 26)  
}
```

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(214, 208, 26) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 208, 26) }
```

## Border

The CSS property to change the border of an element to XYZ 50.4739, 59.4825, 9.7983 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(214, 208, 26) }
```



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

```
.border{ border-color:rgb(214, 208, 26) }
```

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

Here you see how a box with a 4 pixel `rgb(214, 208, 26)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 208, 26); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 208, 26);  
box-shadow:4px 4px 4px 4px rgb(214, 208,  
26) }
```

# Background

The CSS property to change the background color of an element to XYZ 50.4739, 59.4825, 9.7983 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 208, 26) }
```

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

```
.background{ background-color: rgb(214,  
208, 26) }
```

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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