

# Converting Colors

XYZ(51.1723, 58.3921, 10.4935)

Have a look what the booklet for  
XYZ(51.1723, 58.3921, 10.4935)  
contains.

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# Color

**XYZ(51.1725, 58.3923,  
10.4932)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DBCC27
RGB	219, 204, 39
RGB Percent	86%, 80%, 15%
CMY	0.1412, 0.2000, 0.8470
CMYK	0.00, 0.07, 0.82, 0.14
HSL	55°, 71%, 51%
HSV	55°, 82%, 86%
XYZ	51.1725, 58.3923, 10.4932
YIQ	189.6750, 61.9050, -48.1350

# Conversions

## Conversions Part 2

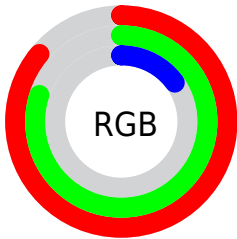
Format	Color
<a href="#">RYB</a>	55, 219, 39
Decimal	14404647
CIELab	80.96, -11.16, 75.47
CIELCh	81, 76.291, 98.410
Yxy	58.3923, 0.4262, 0.4864
Android (android.graphics.Color)	4292594727 (0xFFDBCC27)
YUV	189.6750, -74.2828, 25.7180
Hunter-Lab	76.4149, -14.1905, 45.3488

# Details

The XYZ color **51.1725, 58.3923, 10.4932** 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 **14.9423, 8.1844, 67.8095**, and the grayscale version is **49.1471, 51.7066, 56.3084**.

A 20% lighter version of the original color is **79.3490, 93.7196, 26.2195**, and **25.4036, 29.2863, 4.3139** is the 20% darker color. If you saturate the color by 10%, you get **50.4784, 57.4272, 8.9588**, and if you desaturate by 10%, it is **52.0835, 59.4568, 13.1331**.

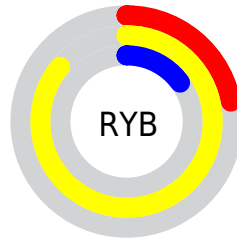
# Distribution



Red (86%)

Green (80%)

Blue (15%)



Red (22%)

Yellow (86%)

Blue (15%)

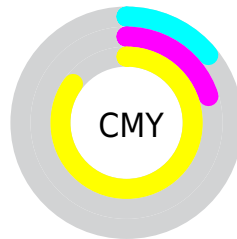


Cyan (0%)

Magenta (7%)

Yellow (82%)

Black (14%)



Cyan (14%)

Magenta (20%)


Yellow (85%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 51.1725, 58.3923, 10.4932 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 51.1725, 58.3923, 10.4932 by changing the saturation by 10% instead.





 51.1725, 58.3923,  
10.4932


 51.1725, 58.3923,  
10.4932


381.6102,  
418.6461, 204.7678

 36.5675, 42.1241,  
5.6173


 91.0912, 102.4939,  
27.3413


 25.0449, 29.1985,  
2.5488


 117.1356,  
131.0961, 40.1506


 16.2395, 19.2310,  
0.8659

 147.7238,  
164.5785, 56.4414

 9.7857, 11.8373,  
0.0000

 183.2213,  
203.3254, 76.6324

 5.3183, 6.6330,  
0.0000

 223.9933,  
247.7212, 101.1419

 2.4718, 3.2337,  
0.0000

 270.4052,

 0.8811, 1.2549,

298.1503, 130.3887

0.0000

322.8224,  
354.9972, 164.7911

■ 0.0000, 0.1059,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 51.1725, 58.3923,  
10.4932

■ 51.1725, 58.3923,  
10.4932

■ 50.4784, 57.4272,  
8.9588

■ 52.0835, 59.4568,  
13.1331

■ 50.0431, 56.7199,  
8.3105

■ 53.2389, 60.6250,  
17.0406

■ 54.6661, 61.9101,  
22.3546

■ 56.3881, 63.3213,  
29.1952

■ 58.4251, 64.8668,  
37.6693

■ 60.7956, 66.5539,  
47.8746

■ 63.5169, 68.3896,  
59.9008

■ 66.6046, 70.3802,  
73.8316

■ 70.0739, 72.5318,  
89.7454

# Harmonies

## Analogous

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



67.4527, 58.3923, 12.1274



51.1725, 58.3923, 10.4932



38.6771, 58.3923, 16.8540

# Triad

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



51.1725, 58.3923, 10.4932



34.9274, 58.3923, 134.4448



88.8314, 58.3923, 101.2908

# Complementary

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



51.1725, 58.3923, 10.4932



14.9423, 8.1844, 67.8095

# 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.



76.6066, 58.3923, 159.0910



51.1725, 58.3923, 10.4932



45.0502, 58.3923, 183.7280

# Square

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



51.1725, 58.3923, 10.4932



30.5350, 58.3923, 77.1788



60.0651, 58.3923, 194.4210



91.3252, 58.3923, 51.6792



# Rectangle

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



51.1725, 58.3923, 10.4932



33.4266, 58.3923, 28.0122



60.0651, 58.3923, 194.4210



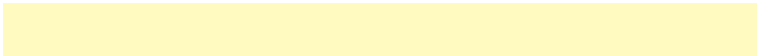
85.6258, 58.3923, 120.9498

# Sweetspot

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



51.1738, 58.3951, 10.4944



84.7607, 93.2111, 62.9588



30.6050, 16.7779, 5.1163



17.8878, 19.7701, 12.3795



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.



51.1738, 58.3951, 10.4944



70.6685, 80.0946, 11.8084



37.1998, 56.7387, 10.9112



14.0646, 15.0686, 13.8928



29.7127, 33.7110, 4.9408



1.9529, 2.2399, 0.3294



# Inverse Universe

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



14.9423, 8.1844, 67.8095



18.3999, 7.8725, 95.1575



20.4519, 10.1437, 67.8973



12.4254, 12.7906, 16.4661



7.7447, 3.3588, 39.9785



0.5327, 0.2795, 2.6003



# Previews

## White Background



This preview shows how the XYZ color 51.1725, 58.3923, 10.4932 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

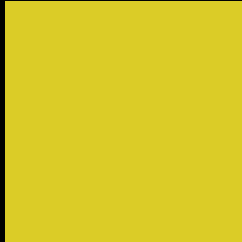
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 51.1725, 58.3923, 10.4932 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 51.1725, 58.3923, 10.4932

## Background



This preview shows how black text looks on a background with the XYZ color 51.1725, 58.3923, 10.4932.



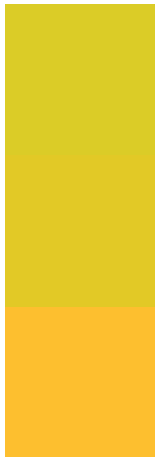
This preview shows how white text looks on a background with the XYZ color 51.1725, 58.3923,



# 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

51.1725, 58.3923, 10.4932

### Protanopia

52.6005, 58.0820, 10.2723

### Deuteranopia

59.6519, 58.3495, 10.8079



## Tritanopia

62.3879, 58.2236, 65.7077

# Trichromacy



## Original Color

51.1725, 58.3923, 10.4932

## Protanomaly

51.9018, 58.0690, 10.3066

## Deuteranomaly

56.4702, 58.3625, 10.6717

## Tritanomaly

56.3045, 57.4054, 34.9009

# Monochromacy



## Original Color

51.1725, 58.3923, 10.4932

## Achromatopsia

48.9429, 51.4918, 56.0745

## Achromatomaly

47.9757, 53.1970, 30.6611

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 51.1725, 58.3923, 10.4932 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(219, 204, 39)` looks like.

```
.text, #text, p{  
    color:rgb(219, 204, 39)  
}
```

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(219, 204, 39) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 204, 39) }
```

## Border

The CSS property to change the border of an element to XYZ 51.1725, 58.3923, 10.4932 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(219, 204, 39) }
```



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

```
.border{ border-color:rgb(219, 204, 39) }
```

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

Here you see how a box with a 4 pixel `rgb(219, 204, 39)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 204, 39); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 204, 39);  
box-shadow:4px 4px 4px 4px rgb(219, 204,  
39) }
```

# Background

The CSS property to change the background color of an element to XYZ 51.1725, 58.3923, 10.4932 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 204, 39) }
```

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

```
.background{ background-color: rgb(219,  
204, 39) }
```

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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