

# Converting Colors

XYZ(25.2122, 21.1593, 3.0171)

Have a look what the booklet for  
XYZ(25.2122, 21.1593, 3.0171)  
contains.

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# Color

**XYZ(25.2851, 21.1473,  
3.0076)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B86D09
RGB	184, 109, 9
RGB Percent	72%, 43%, 4%
CMY	0.2784, 0.5725, 0.9647
CMYK	0.00, 0.41, 0.95, 0.28
HSL	34°, 91%, 38%
HSV	34°, 95%, 72%
XYZ	25.2851, 21.1473, 3.0076
YIQ	120.0250, 76.8000, -15.2000

# Conversions

## Conversions Part 2

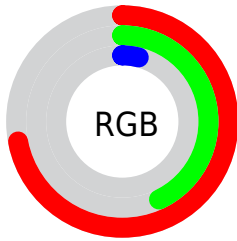
Format	Color
R <sub>Y</sub> B	140, 184, 9
Decimal	12086537
CIE Lab	53.11, 23.68, 58.70
CIE LCh	53, 63.296, 68.027
Yxy	21.1473, 0.5114, 0.4277
Android (android.graphics.Color)	4290276617 (0xFFB86D09)
YUV	120.0250, -54.7353, 56.1061
Hunter-Lab	45.9862, 17.6708, 28.3126

# Details

The XYZ color **25.2851, 21.1473, 3.0076** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **11.9348, 9.8595, 46.6211**, and the grayscale version is **18.0138, 18.9519, 20.6386**.

A 20% lighter version of the original color is **51.4752, 45.3319, 11.6671**, and **10.1262, 7.6975, 0.9520** is the 20% darker color. If you saturate the color by 10%, you get **24.8334, 20.3231, 2.6139**, and if you desaturate by 10%, it is **26.3181, 22.9684, 4.1080**.

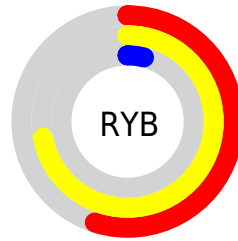
# Distribution



Red (72%)

Green (43%)

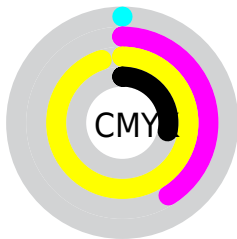
Blue (4%)



Red (55%)

Yellow (72%)

Blue (4%)

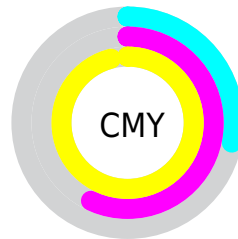


Cyan (0%)

Magenta (41%)

Yellow (95%)

Black (28%)



Cyan (28%)

Magenta (57%)


Yellow (96%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 25.2851, 21.1473, 3.0076 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 25.2851, 21.1473, 3.0076 by changing the saturation by 10% instead.





 25.2851, 21.1473,  
3.0076


 25.2851, 21.1473,  
3.0076


271.5763,  
258.0603, 136.4574


 16.4195, 13.2317,  
1.0985


 51.5589, 45.3326,  
11.6472


 9.9142, 7.5883,  
0.0000


 69.6978, 62.3710,  
19.2148

 5.4039, 3.8327,  
0.0000

 91.6585, 83.2192,  
29.5056

 2.5233, 1.5804,  
0.0000

 117.8064,  
108.2616, 42.9382

 0.9070, 0.3443,  
0.0000

 148.5067,  
137.8825, 59.9312

 0.0000, 0.0000,  
0.0000

 184.1249,

172.4663, 80.9030

225.0263,  
212.3974, 106.2722

25.2851, 21.1473,  
3.0076

25.2851, 21.1473,  
3.0076

24.8334, 20.3231,  
2.6139

26.3181, 22.9684,  
4.1080

27.5616, 24.9966,  
5.9369

29.0396, 27.2453,  
8.6096

30.7714, 29.7251,  
12.2198

32.7741, 32.4456,  
16.8487

■ 35.0631, 35.4156,  
22.5687

■ 37.6522, 38.6432,  
29.4455

■ 40.5546, 42.1362,  
37.5396

■ 43.7822, 45.9018,  
46.9071

# Harmonies

## Analogous

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



31.9760, 21.1473, 7.0112



25.2851, 21.1473, 3.0076



18.3632, 21.1473, 2.4522

# Triad

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



25.2851, 21.1473, 3.0076



9.8950, 21.1473, 28.5395



29.0711, 21.1473, 65.7122

# Complementary

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



25.2851, 21.1473, 3.0076



11.9348, 9.8595, 46.6211

# 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.



21.9427, 21.1473, 81.8233



25.2851, 21.1473, 3.0076



11.6022, 21.1473, 53.8350

# Square

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



25.2851, 21.1473, 3.0076



10.4055, 21.1473, 11.8443



15.6769, 21.1473, 76.5704



34.4768, 21.1473, 39.6651



# Rectangle

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



25.2851, 21.1473, 3.0076



14.6605, 21.1473, 3.4493



15.6769, 21.1473, 76.5704



26.7415, 21.1473, 72.9788

# Sweetspot

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



25.2856, 21.1484, 3.0080



66.1312, 67.4309, 47.6530



21.4980, 11.0391, 9.5580



13.8355, 14.0089, 9.1642



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988



# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



25.2856, 21.1484, 3.0080



44.7756, 36.3571, 4.6577



34.2762, 43.1089, 6.7729



9.4191, 9.8411, 9.5100



17.1865, 14.1493, 1.8253



0.6660, 0.6190, 0.0844



# Inverse Universe

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



11.9348, 9.8595, 46.6211



20.5065, 15.9192, 84.1965



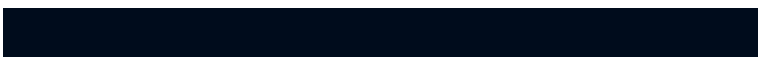
9.0518, 3.8121, 45.6058



8.8291, 9.3354, 11.4160



7.9498, 6.3593, 32.0615

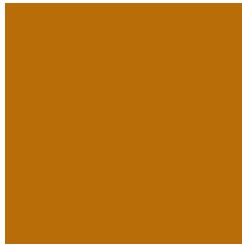


0.3419, 0.3475, 1.1508



# Previews

## White Background



This preview shows how the XYZ color 25.2851, 21.1473, 3.0076 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 25.2851, 21.1473, 3.0076 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 × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 25.2851, 21.1473, 3.0076**

## **Background**



This preview shows how black text looks on a background with the XYZ color 25.2851, 21.1473, 3.0076.



This preview shows how white text looks on a background with the XYZ color 25.2851, 21.1473,



# 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

25.2851, 21.1473, 3.0076

### Protanopia

19.3219, 21.4081, 3.6441

### Deuteranopia

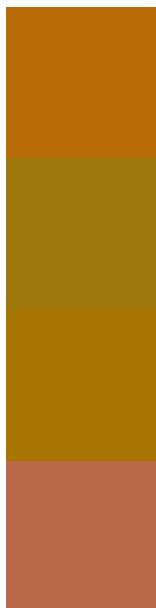
21.5353, 21.2518, 2.9670



## Tritanopia

28.1530, 21.1029, 17.0574

# Trichromacy



## Original Color

25.2851, 21.1473, 3.0076

## Protanomaly

21.2147, 21.0774, 3.3657

## Deuteranomaly

22.7399, 21.1642, 2.9727

## Tritanomaly

26.6464, 20.9465, 8.9420

# Monochromacy



## Original Color

25.2851, 21.1473, 3.0076

## Achromatopsia

17.8524, 18.7821, 20.4537

## Achromatomaly

19.0211, 18.9096, 10.2368

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 25.2851, 21.1473, 3.0076 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(184, 109, 9)` looks like.

```
.text, #text, p{  
    color:rgb(184, 109, 9)  
}
```

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(184, 109, 9) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 109, 9) }
```

## Border

The CSS property to change the border of an element to XYZ 25.2851, 21.1473, 3.0076 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(184, 109, 9) }
```



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

```
.border{ border-color:rgb(184, 109, 9) }
```

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

Here you see how a box with a 4 pixel `rgb(184, 109, 9)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 109, 9); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 109, 9);  
box-shadow:4px 4px 4px 4px rgb(184, 109,  
9) }
```

# Background

The CSS property to change the background color of an element to XYZ 25.2851, 21.1473, 3.0076 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(184, 109, 9) }
```

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

```
.background{ background-color: rgb(184,  
109, 9) }
```

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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