

Converting Colors

XYZ(45.8122, 51.1024, 8.1236)

Have a look what the booklet for
XYZ(45.8122, 51.1024, 8.1236)
contains.

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Color

**XYZ(45.9084, 51.3092,
8.1458)**

Conversions

Conversions Part 1

Format	Color
Hex	D4BF14
RGB	212, 191, 20
RGB Percent	83%, 75%, 8%
CMY	0.1686, 0.2510, 0.9215
CMYK	0.00, 0.10, 0.91, 0.17
HSL	53°, 83%, 45%
HSV	53°, 91%, 83%
XYZ	45.9084, 51.3092, 8.1458
YIQ	177.7850, 67.4070, -48.7290

Conversions

Conversions Part 2

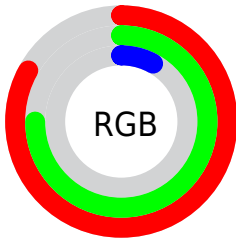
Format	Color
RYB	44, 212, 20
Decimal	13942548
CIELab	76.87, -7.98, 75.84
CIELCh	77, 76.260, 96.008
Yxy	51.3092, 0.4357, 0.4870
Android (android.graphics.Color)	4292132628 (0xFFD4BF14)
YUV	177.7850, -77.7880, 30.0066
Hunter-Lab	71.6304, -10.9515, 43.3989

Details

The XYZ color **45.9084, 51.3092, 8.1458** is a dark color, and the websafe version is hex **CCCC33**. The color can be described as middle washed orange. A complement of this color would be **12.9654, 6.4885, 62.8557**, and the grayscale version is **42.5784, 44.7958, 48.7826**.

A 20% lighter version of the original color is **76.3039, 88.5028, 22.5123**, and **22.2253, 24.9493, 3.6443** is the 20% darker color. If you saturate the color by 10%, you get **45.3095, 50.3137, 7.3235**, and if you desaturate by 10%, it is **46.6967, 52.4419, 9.7784**.

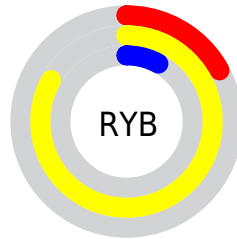
Distribution



Red (83%)

Green (75%)

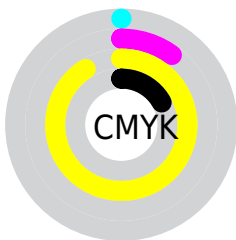
Blue (8%)



Red (17%)

Yellow (83%)

Blue (8%)

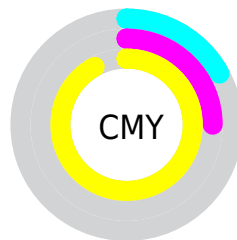


Cyan (0%)

Magenta (10%)

Yellow (91%)

Black (17%)



Cyan (17%)


Magenta (25%)


Yellow (92%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.9084, 51.3092, 8.1458 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 45.9084, 51.3092, 8.1458 by changing the saturation by 10% instead.


 45.9084, 51.3092,
8.1458


 45.9084, 51.3092,
8.1458


361.1624,
391.7639, 186.8483

 32.3779, 36.4547,
4.0993


 83.3106, 92.1117,
22.7946


 21.8072, 24.7856,
1.6800


 107.9130,
118.8284, 34.2341

 13.8311, 15.9174,
0.3469


 136.9367,
150.2681, 48.9748

 8.0842, 9.4657,
0.0000

 170.7470,
186.8151, 67.4355

 4.2011, 5.0462,
0.0000

 209.7094,
228.8538, 90.0347

 1.8165, 2.2744,
0.0000

 254.1892,

 0.5276, 0.7601,

276.7686, 117.1908

0.0000

304.5517,
330.9438, 149.3225

■ 0.0000, 0.0000,
0.0000

■ 45.9084, 51.3092,
8.1458

■ 45.9084, 51.3092,
8.1458

■ 45.3095, 50.3137,
7.3235

■ 46.6967, 52.4419,
9.7784

■ 47.6912, 53.6679,
12.4622

■ 48.9212, 55.0010,
16.3458

■ 50.4100, 56.4506,
21.5530

■ 52.1785, 58.0251,
28.1924

■ 54.2451, 59.7320,
36.3612

■ 56.6266, 61.5780,
46.1482

■ 59.3388, 63.5694,
57.6353

■ 62.3960, 65.7121,
70.8990

Harmonies

Analogous

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



61.0020, 51.3092, 10.0692



45.9084, 51.3092, 8.1458



34.1484, 51.3092, 12.9771

Triad

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



45.9084, 51.3092, 8.1458



29.5168, 51.3092, 117.1629



78.9218, 51.3092, 95.0170

Complementary

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



45.9084, 51.3092, 8.1458



12.9654, 6.4885, 62.8557

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.



67.0579, 51.3092, 148.5156



45.9084, 51.3092, 8.1458



38.2897, 51.3092, 165.1323

Square

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



45.9084, 51.3092, 8.1458



25.9684, 51.3092, 64.6451



51.7436, 51.3092, 178.7947



82.0713, 51.3092, 47.9218

Rectangle

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



45.9084, 51.3092, 8.1458



29.1163, 51.3092, 22.0670



51.7436, 51.3092, 178.7947



75.7201, 51.3092, 113.4348

Sweetspot

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



45.9096, 51.3117, 8.1468



83.5240, 91.6219, 59.8206



27.8268, 14.6678, 3.5937



17.6229, 19.4093, 11.7702



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.



45.9096, 51.3117, 8.1468



68.7410, 76.2621, 11.0970



34.2178, 52.5748, 9.0069



13.3515, 14.2772, 13.2128



28.0175, 31.1522, 4.5363



1.7238, 1.9467, 0.2849

Inverse Universe

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



12.9654, 6.4885, 62.8557



18.4625, 8.0450, 95.1875



16.7098, 7.6131, 62.8754



11.8508, 12.2251, 15.6726



7.5639, 3.3896, 38.7088



0.4939, 0.2799, 2.3473

Previews

White Background



This preview shows how the XYZ color 45.9084, 51.3092, 8.1458 looks on a white background.

Color Contrast Check

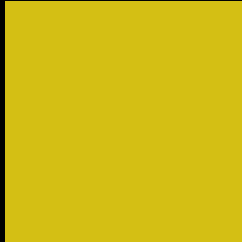
Large Text (above 18pt) WCAG AA × Fail

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 45.9084, 51.3092, 8.1458 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 45.9084, 51.3092, 8.1458

Background



This preview shows how black text looks on a background with the XYZ color 45.9084, 51.3092, 8.1458.

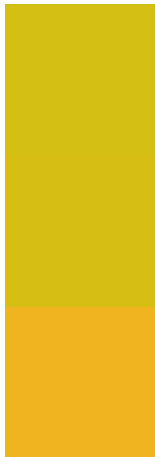


This preview shows how white text looks on a background with the XYZ color 45.9084, 51.3092,

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

45.9084, 51.3092, 8.1458

Protanopia

46.2713, 51.1736, 8.1005

Deuteranopia

52.1652, 51.0922, 8.4087



Tritanopia

55.7558, 51.2904, 56.2516

Trichromacy



Original Color

45.9084, 51.3092, 8.1458

Protanomaly

45.9803, 51.0236, 8.0869

Deuteranomaly

49.6514, 51.0181, 8.2675

Tritanomaly

50.1094, 50.5120, 27.8776

Monochromacy



Original Color

45.9084, 51.3092, 8.1458

Achromatopsia

42.3164, 44.5201, 48.4824

Achromatomaly

41.6199, 46.1946, 24.8120

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.9084, 51.3092, 8.1458 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(212, 191, 20)` looks like.

```
.text, #text, p{  
    color:rgb(212, 191, 20)  
}
```

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(212, 191, 20) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 191, 20) }
```

Border

The CSS property to change the border of an element to XYZ 45.9084, 51.3092, 8.1458 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(212, 191, 20) }
```


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

```
.border{ border-color:rgb(212, 191, 20) }
```

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

Here you see how a box with a 4 pixel `rgb(212, 191, 20)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 191, 20); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 191, 20);  
box-shadow:4px 4px 4px 4px rgb(212, 191,  
20) }
```

Background

The CSS property to change the background color of an element to XYZ 45.9084, 51.3092, 8.1458 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 191, 20) }
```

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

```
.background{ background-color: rgb(212,  
191, 20) }
```

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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