

Converting Colors

XYZ(42.1387, 46.2648, 6.7091)

Have a look what the booklet for
XYZ(42.1387, 46.2648, 6.7091)
contains.

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Color

**XYZ(42.2560, 46.3131,
6.7122)**

Conversions

Conversions Part 1

Format	Color
Hex	CFB500
RGB	207, 181, 0
RGB Percent	81%, 71%, 0%
CMY	0.1882, 0.2902, 0.9999
CMYK	0.00, 0.13, 1.00, 0.19
HSL	52°, 100%, 41%
HSV	52°, 100%, 81%
XYZ	42.2560, 46.3131, 6.7122
YIQ	168.1400, 73.5970, -50.7790

Conversions

Conversions Part 2

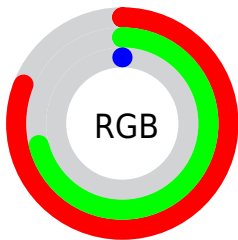
Format	Color
RYB	30, 207, 0
Decimal	13612288
CIELab	73.75, -5.24, 75.73
CIElCh	74, 75.912, 93.955
Yxy	46.3131, 0.4435, 0.4861
Android (android.graphics.Color)	4291802368 (0xFFCFB500)
YUV	168.1400, -82.8930, 34.0802
Hunter-Lab	68.0537, -8.2596, 41.7898

Details

The XYZ color **42.2560, 46.3131, 6.7122** is a dark color, and the websafe version is hex **CCCC33**. The color can be described as dark washed orange. A complement of this color would be **11.6323, 5.2445, 59.4303**, and the grayscale version is **37.6598, 39.6210, 43.1473**.

A 20% lighter version of the original color is **72.6834, 81.8301, 19.5534**, and **20.0630, 21.9964, 3.1883** is the 20% darker color. If you saturate the color by 10%, you get **42.2564, 46.3143, 6.7124**, and if you desaturate by 10%, it is **42.9233, 47.4356, 7.5896**.

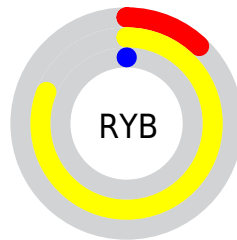
Distribution



Red (81%)

Green (71%)

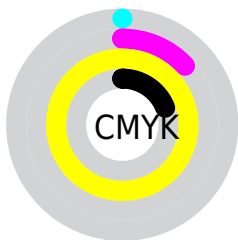
Blue (0%)



Red (12%)

Yellow (81%)

Blue (0%)

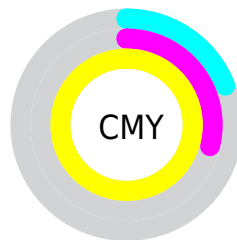


Cyan (0%)

Magenta (13%)

Yellow (100%)

Black (19%)



Cyan (19%)


Magenta (29%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.2560, 46.3131, 6.7122 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 42.2560, 46.3131, 6.7122 by changing the saturation by 10% instead.


 42.2560, 46.3131,
6.7122


 42.2560, 46.3131,
6.7122


346.5167,
372.0660, 174.7896

 29.4938, 32.4930,
3.2071


 77.8497, 84.6874,
19.8948

 19.6008, 21.7383,
1.2013


 101.4118,
110.0103, 30.4093


 12.2118, 13.6647,
0.0000


 129.3047,
139.9363, 44.0973

 6.9613, 7.8879,
0.0000

 161.8935,
174.8498, 61.3775

 3.4840, 4.0233,
0.0000

 199.5438,
215.1351, 82.6682

 1.4146, 1.6866,
0.0000

 242.6209,

 0.2666, 0.4150,

261.1766, 108.3881

0.0000

291.4900,
313.3588, 138.9557

■ 0.0000, 0.0000,
0.0000

■ 42.2560, 46.3131,
6.7122

■ 42.2560, 46.3131,
6.7122

■ 42.2564, 46.3143,
6.7124

■ 42.9233, 47.4356,
7.5896

■ 43.7416, 48.6325,
9.2179

■ 44.7603, 49.9255,
11.8520

■ 46.0053, 51.3251,
15.6290

■ 47.4989, 52.8402,
20.6647

■ 49.2602, 54.4786,
27.0605

■ 51.3066, 56.2474,
34.9079

■ 53.6542, 58.1529,
44.2900

■ 56.3174, 60.2012,
55.2839

Harmonies

Analogous

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



56.4061, 46.3131, 8.8196



42.2560, 46.3131, 6.7122



31.0736, 46.3131, 10.5192

Triad

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



42.2560, 46.3131, 6.7122



25.8330, 46.3131, 104.2757



71.6478, 46.3131, 90.5374

Complementary

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



42.2560, 46.3131, 6.7122



11.6323, 5.2445, 59.4303

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.



60.1377, 46.3131, 140.4367



42.2560, 46.3131, 6.7122



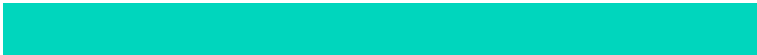
33.5931, 46.3131, 150.8145

Square

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



42.2560, 46.3131, 6.7122



22.8975, 46.3131, 55.7209



45.8308, 46.3131, 166.6143



75.2630, 46.3131, 45.4797

Rectangle

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



42.2560, 46.3131, 6.7122



26.2149, 46.3131, 18.1499



45.8308, 46.3131, 166.6143



68.4725, 46.3131, 107.9171

Sweetspot

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



42.2570, 46.3153, 6.7131



82.0975, 90.0371, 55.4351



25.9372, 13.3477, 2.2840



17.2620, 19.0079, 10.6622



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.



42.2570, 46.3153, 6.7131



67.6211, 74.0223, 10.7237



31.6894, 49.4592, 7.8769



12.6715, 13.5336, 12.5564



26.6716, 29.2762, 4.2451



1.5276, 1.7095, 0.2495

Inverse Universe

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



11.6323, 5.2445, 59.4303



18.5672, 8.2543, 95.2224



14.2361, 6.0383, 59.4462



11.2816, 11.6535, 14.8984



7.3665, 3.3797, 37.4566



0.4524, 0.2699, 2.1078

Previews

White Background



This preview shows how the XYZ color 42.2560, 46.3131, 6.7122 looks on a white background.

Color Contrast Check

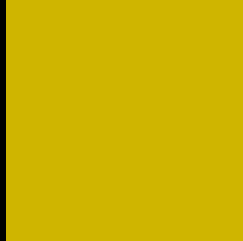
Large Text (above 18pt) WCAG AA × Fail

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 42.2560, 46.3131, 6.7122 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 42.2560, 46.3131, 6.7122

Background



This preview shows how black text looks on a background with the XYZ color 42.2560, 46.3131, 6.7122.



This preview shows how white text looks on a background with the XYZ color 42.2560, 46.3131,

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

42.2560, 46.3131, 6.7122

Protanopia

41.9267, 46.4438, 6.8696

Deuteranopia

47.2104, 46.2210, 7.1923



Tritanopia

50.9584, 46.0932, 49.9271

Trichromacy



Original Color

42.2560, 46.3131, 6.7122

Protanomaly

42.1980, 46.5843, 6.8537

Deuteranomaly

45.2280, 46.0638, 6.9229

Tritanomaly

45.4787, 45.2711, 22.5609

Monochromacy



Original Color

42.2560, 46.3131, 6.7122

Achromatopsia

37.2190, 39.1572, 42.6422

Achromatomaly

36.8888, 40.8938, 19.8590

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.2560, 46.3131, 6.7122 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(207, 181, 0)` looks like.

```
.text, #text, p{  
    color:rgb(207, 181, 0)  
}
```

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(207, 181, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 181, 0) }
```

Border

The CSS property to change the border of an element to XYZ 42.2560, 46.3131, 6.7122 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(207, 181, 0) }
```


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

```
.border{ border-color:rgb(207, 181, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(207, 181, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(207, 181, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(207, 181, 0);  
box-shadow:4px 4px 4px 4px rgb(207, 181,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 42.2560, 46.3131, 6.7122 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 181, 0) }
```

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

```
.background{ background-color: rgb(207,  
181, 0) }
```

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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