

Converting Colors

XYZ(42.8653, 44.6466, 15.8096)

Have a look what the booklet for
XYZ(42.8653, 44.6466, 15.8096)
contains.

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Color

**XYZ(42.8653, 44.6466,
15.8096)**

Conversions

Conversions Part 1

Format	Color
Hex	CFAF59
RGB	207, 175, 89
RGB Percent	81%, 69%, 35%
CMY	0.1882, 0.3137, 0.6510
CMYK	0.00, 0.15, 0.57, 0.19
HSL	44°, 55%, 58%
HSV	44°, 57%, 81%
XYZ	42.8653, 44.6466, 15.8096
YIQ	174.7640, 46.6780, -19.9620

Conversions

Conversions Part 2

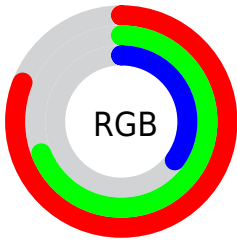
Format	Color
RYB	133, 207, 89
Decimal	13610841
CIELab	72.66, 1.29, 47.74
CIELCh	73, 47.757, 88.456
Yxy	44.6466, 0.4149, 0.4321
Android (android.graphics.Color)	4291800921 (0xFFCFAF59)
YUV	174.7640, -42.2817, 28.2710
Hunter-Lab	66.8181, -2.4200, 32.7443

Details

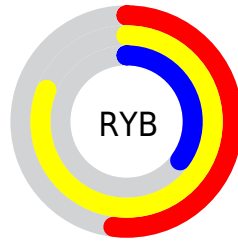
The XYZ color **42.8653, 44.6466, 15.8096** is a light color, and the websafe version is hex **CC9933**. The color can be described as light muted orange. A complement of this color would be **22.2195, 20.3029, 61.7791**, and the grayscale version is **40.8213, 42.9471, 46.7694**.

A 20% lighter version of the original color is **74.3445, 79.7767, 36.6794**, and **20.0105, 20.7899, 4.7919** is the 20% darker color. If you saturate the color by 10%, you get **41.0458, 42.2087, 11.5011**, and if you desaturate by 10%, it is **44.9767, 47.2773, 21.4220**.

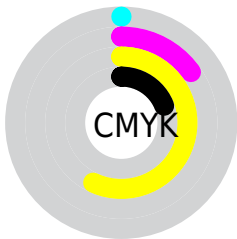
Distribution



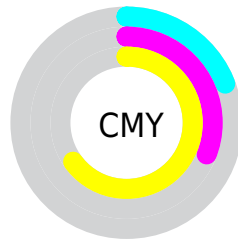
- Red (81%)
- Green (69%)
- Blue (35%)



- Red (52%)
- Yellow (81%)
- Blue (35%)



- Cyan (0%)
- Magenta (15%)
- Yellow (57%)
- Black (19%)



- Cyan (19%)
- Magenta (31%)
- Yellow (65%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.8653, 44.6466, 15.8096 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 42.8653, 44.6466, 15.8096 by changing the saturation by 10% instead.

■ 42.8653, 44.6466,
15.8096

■ 42.8653, 44.6466,
15.8096

348.9884,
365.3404, 240.0228

■ 29.9735, 31.1792,
9.2366

■ 78.7645, 82.1898,
37.0295

■ 19.9665, 20.7353,
4.7969

■ 102.5027,
107.0344, 52.5136

■ 12.4788, 12.9307,
2.0720

■ 130.5870,
136.4402, 71.8050

■ 7.1451, 7.3808,
0.5990

■ 163.3828,
170.7915, 95.3225

■ 3.6002, 3.7014,
0.0000

201.2555,
210.4728, 123.4844

■ 1.4785, 1.5080,
0.0000

244.5705,

■ 0.3112, 0.2943,

255.8685, 156.7094

0.0000

293.6930,
307.3629, 195.4161

■ 0.0000, 0.0000,
0.0000

■ 42.8653, 44.6466,
15.8096

■ 42.8653, 44.6466,
15.8096

■ 41.0458, 42.2087,
11.5011

■ 44.9767, 47.2773,
21.4220

■ 39.4935, 39.9478,
8.3826

■ 47.3960, 50.1030,
28.4338

■ 38.1842, 37.8549,
6.3252

■ 50.1416, 53.1336,
36.9348

■ 37.0845, 35.9159,
5.1560

■ 53.2295, 56.3763,
47.0065

■ 36.7782, 35.3577,
4.8863

■ 56.6745, 59.8378,
58.7243

■ 60.4904, 63.5245,
72.1588

■ 64.6904, 67.4425,
87.3764

■ 69.2868, 71.5973,
104.4402

■ 70.8480, 74.6172,
105.2762

Harmonies

Analogous

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



51.3143, 44.6466, 19.2031



42.8653, 44.6466, 15.8096



35.2970, 44.6466, 18.5498

Triad

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



42.8653, 44.6466, 15.8096



29.9285, 44.6466, 73.7154



57.4893, 44.6466, 76.5573

Complementary

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



42.8653, 44.6466, 15.8096



22.2195, 20.3029, 61.7791

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.



50.4763, 44.6466, 100.6819



42.8653, 44.6466, 15.8096



34.6445, 44.6466, 98.7006

Square

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



42.8653, 44.6466, 15.8096



28.4356, 44.6466, 47.3954



42.0081, 44.6466, 109.8654



60.4085, 44.6466, 49.8504

Rectangle

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



42.8653, 44.6466, 15.8096



31.6068, 44.6466, 24.2238



42.0081, 44.6466, 109.8654



55.4912, 44.6466, 85.5233

Sweetspot

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



42.8664, 44.6487, 15.8105



85.2038, 90.2443, 74.9843



32.8445, 21.8265, 21.0358



18.0125, 19.0841, 15.3046



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.



42.8664, 44.6487, 15.8105



65.2997, 66.9668, 17.3873



43.2739, 55.2231, 17.8301



12.5211, 13.2328, 12.5063



23.2540, 22.4411, 3.1059



1.3641, 1.3826, 0.1950

Inverse Universe

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



22.2195, 20.3029, 61.7791



29.2948, 24.5956, 97.8112



21.8487, 15.2658, 60.8264



11.4208, 11.9318, 14.9448



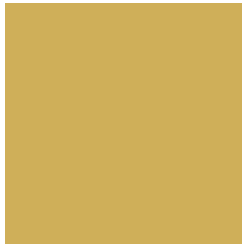
8.0586, 4.7638, 37.6873



0.5171, 0.3995, 2.1294

Previews

White Background



This preview shows how the XYZ color 42.8653, 44.6466, 15.8096 looks on a white background.

Color Contrast Check

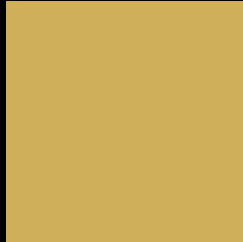
Large Text (above 18pt) WCAG AA × Fail

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 42.8653, 44.6466, 15.8096 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 42.8653, 44.6466, 15.8096

Background



This preview shows how black text looks on a background with the XYZ color 42.8653, 44.6466, 15.8096.



This preview shows how white text looks on a background with the XYZ color 42.8653, 44.6466,

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

42.8653, 44.6466, 15.8096

Protanopia

40.9915, 44.8487, 16.1690

Deuteranopia

45.4336, 44.5477, 15.8768



Tritanopia

49.5153, 44.5717, 48.1129

Trichromacy



Original Color

42.8653, 44.6466, 15.8096

Protanomaly

41.8533, 44.9965, 16.1521

Deuteranomaly

44.6223, 44.6903, 15.9471

Tritanomaly

46.5277, 44.4483, 33.3212

Monochromacy



Original Color

42.8653, 44.6466, 15.8096

Achromatopsia

40.7470, 42.8690, 46.6844

Achromatomaly

40.8575, 43.2384, 32.5780

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.8653, 44.6466, 15.8096 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, 175, 89)` looks like.

```
.text, #text, p{  
    color:rgb(207, 175, 89)  
}
```

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, 175, 89) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 175, 89) }
```

Border

The CSS property to change the border of an element to XYZ 42.8653, 44.6466, 15.8096 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, 175, 89) }
```


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

```
.border{ border-color:rgb(207, 175, 89) }
```

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

Here you see how a box with a 4 pixel `rgb(207, 175, 89)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(207, 175, 89); -webkit-box-  
shadow:4px 4px 4px 4px rgb(207, 175, 89);  
box-shadow:4px 4px 4px 4px rgb(207, 175,  
89) }
```

Background

The CSS property to change the background color of an element to XYZ 42.8653, 44.6466, 15.8096 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 175, 89) }
```

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

```
.background{ background-color: rgb(207,  
175, 89) }
```

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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