

Converting Colors

XYZ(42.8461, 40.6991, 10.3616)

Have a look what the booklet for
XYZ(42.8461, 40.6991, 10.3616)
contains.

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Color

**XYZ(42.6814, 40.5606,
10.2820)**

Conversions

Conversions Part 1

Format	Color
Hex	DBA03F
RGB	219, 160, 63
RGB Percent	86%, 63%, 25%
CMY	0.1412, 0.3725, 0.7529
CMYK	0.00, 0.27, 0.71, 0.14
HSL	37°, 68%, 55%
HSV	37°, 71%, 86%
XYZ	42.6814, 40.5606, 10.2820
YIQ	166.5830, 66.3010, -17.6590

Conversions

Conversions Part 2

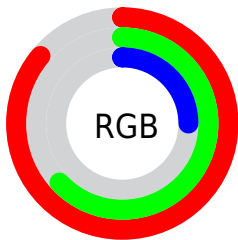
Format	Color
RYB	158, 219, 63
Decimal	14393407
CIELab	69.87, 12.77, 56.97
CIELCh	70, 58.385, 77.366
Yxy	40.5606, 0.4564, 0.4337
Android (android.graphics.Color)	4292583487 (0xFFDBA03F)
YUV	166.5830, -51.0664, 45.9697
Hunter-Lab	63.6872, 8.1731, 35.0090

Details

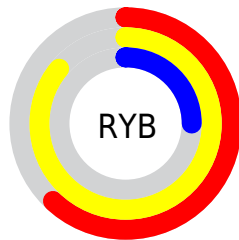
The XYZ color **42.6814, 40.5606, 10.2820** is a dark color, and the websafe version is hex **CC9933**. The color can be described as middle muted orange. A complement of this color would be **21.7951, 20.0893, 69.7462**, and the grayscale version is **36.7465, 38.6602, 42.1010**.

A 20% lighter version of the original color is **68.6928, 71.1218, 26.6304**, and **19.9658, 18.4109, 2.5013** is the 20% darker color. If you saturate the color by 10%, you get **40.7988, 37.5878, 7.2121**, and if you desaturate by 10%, it is **44.9049, 43.8260, 14.6666**.

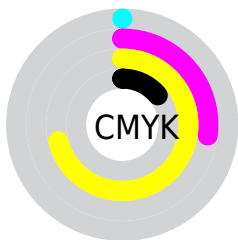
Distribution



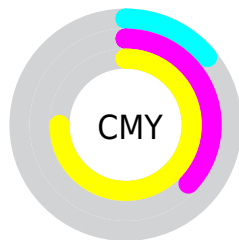
- Red (86%)
- Green (63%)
- Blue (25%)



- Red (62%)
- Yellow (86%)
- Blue (25%)



- Cyan (0%)
- Magenta (27%)
- Yellow (71%)
- Black (14%)



- Cyan (14%)
- Magenta (37%)
- Yellow (75%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.6814, 40.5606, 10.2820 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 42.6814, 40.5606, 10.2820 by changing the saturation by 10% instead.

42.6814, 40.5606,
10.2820

42.6814, 40.5606,
10.2820

348.2436,
348.4808, 203.2305

29.8287, 27.9759,
5.4783

78.4886, 76.0164,
26.9406

19.8560, 18.3075,
2.4669

102.1737, 99.6563,
39.6327

12.3981, 11.1710,
0.8226

130.2004,
127.7501, 55.7912

7.0895, 6.1820,
0.0000

162.9339,
160.6822, 75.8348

3.5650, 2.9560,
0.0000

200.7396,
198.8368, 100.1820

1.4591, 1.1088,
0.0000

243.9829,

0.2977, 0.0000,

242.5986, 129.2513

0.0000

293.0291,
292.3518, 163.4613

■ 0.0000, 0.0000,
0.0000

■ 42.6814, 40.5606,
10.2820

■ 42.6814, 40.5606,
10.2820

■ 40.7988, 37.5878,
7.2121

■ 44.9049, 43.8260,
14.6666

■ 39.2215, 34.8857,
5.2916

■ 47.4940, 47.3920,
20.4999

■ 38.0428, 32.7192,
4.3104

■ 50.4738, 51.2730,
27.9017

■ 53.8664, 55.4805,
36.9788

■ 57.6915, 60.0251,
47.8284

■ 61.9680, 64.9170,
60.5402

■ 66.7130, 70.1655,
75.1978

■ 71.9429, 75.7797,
91.8797

■ 76.8408, 81.4352,
106.2764

Harmonies

Analogous

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



52.2760, 40.5606, 15.7978



42.6814, 40.5606, 10.2820



33.3587, 40.5606, 10.7103

Triad

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



42.6814, 40.5606, 10.2820



23.6291, 40.5606, 61.6662



53.5916, 40.5606, 89.8479

Complementary

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



42.6814, 40.5606, 10.2820



21.7951, 20.0893, 69.7462

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.



44.2574, 40.5606, 115.1568



42.6814, 40.5606, 10.2820



27.4678, 40.5606, 94.8346

Square

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



42.6814, 40.5606, 10.2820



23.3489, 40.5606, 33.6926



34.6972, 40.5606, 117.2847



59.2349, 40.5606, 56.6062

Rectangle

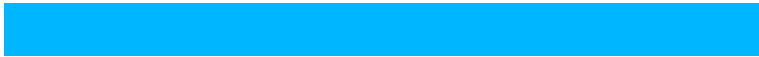
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



42.6814, 40.5606, 10.2820



28.5055, 40.5606, 14.2926



34.6972, 40.5606, 117.2847



50.7179, 40.5606, 100.0665

Sweetspot

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



42.6823, 40.5626, 10.2828



81.4722, 84.7713, 67.6048



34.5535, 20.0403, 20.7207



17.1029, 17.7516, 13.5010



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.



42.6823, 40.5626, 10.2828



56.5436, 51.3010, 8.7768



50.2621, 63.4113, 14.2935



13.7270, 14.3934, 13.7803



22.6664, 19.6183, 2.5921



1.5504, 1.4350, 0.1953

Inverse Universe

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



21.7951, 20.0893, 69.7462



25.6013, 21.1223, 97.3354



17.9744, 10.4280, 68.0827



12.7402, 13.4202, 16.5710



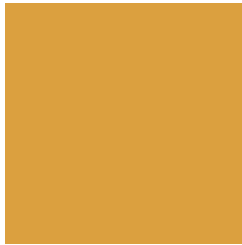
9.5050, 6.8795, 40.5653



0.6972, 0.6086, 2.6552

Previews

White Background



This preview shows how the XYZ color 42.6814, 40.5606, 10.2820 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 42.6814, 40.5606, 10.2820 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 42.6814, 40.5606, 10.2820

Background



This preview shows how black text looks on a background with the XYZ color 42.6814, 40.5606, 10.2820.



This preview shows how white text looks on a background with the XYZ color 42.6814, 40.5606,

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

42.6814, 40.5606, 10.2820

Protanopia

37.0321, 40.5955, 11.0382

Deuteranopia

41.4073, 40.6883, 10.2287



Tritanopia

48.7034, 40.5547, 38.9791

Trichromacy



Original Color

42.6814, 40.5606, 10.2820

Protanomaly

38.8602, 40.4366, 10.7579

Deuteranomaly

41.8142, 40.6355, 10.1970

Tritanomaly

45.6887, 40.2798, 24.7688

Monochromacy



Original Color

42.6814, 40.5606, 10.2820

Achromatopsia

36.7301, 38.6429, 42.0822

Achromatomaly

37.4876, 38.5750, 26.2388

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.6814, 40.5606, 10.2820 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, 160, 63)` looks like.

```
.text, #text, p{  
    color:rgb(219, 160, 63)  
}
```

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, 160, 63) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 160, 63) }
```

Border

The CSS property to change the border of an element to XYZ 42.6814, 40.5606, 10.2820 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, 160, 63) }
```


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

```
.border{ border-color:rgb(219, 160, 63) }
```

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

Here you see how a box with a 4 pixel rgb(219, 160, 63) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 160, 63); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 160, 63);  
box-shadow:4px 4px 4px 4px rgb(219, 160,  
63) }
```

Background

The CSS property to change the background color of an element to XYZ 42.6814, 40.5606, 10.2820 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 160, 63) }
```

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

```
.background{ background-color: rgb(219,  
160, 63) }
```

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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