

Converting Colors

XYZ(43.1881, 46.2201, 6.6451)

Have a look what the booklet for
XYZ(43.1881, 46.2201, 6.6451)
contains.

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Color

**XYZ(43.2715, 46.2372,
6.6440)**

Conversions

Conversions Part 1

Format	Color
Hex	D4B300
RGB	212, 179, 0
RGB Percent	83%, 70%, 0%
CMY	0.1686, 0.2980, 0.9999
CMYK	0.00, 0.16, 1.00, 0.17
HSL	51°, 100%, 42%
HSV	51°, 100%, 83%
XYZ	43.2715, 46.2372, 6.6440
YIQ	168.4610, 77.1270, -48.6730

Conversions

Conversions Part 2

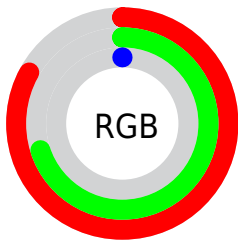
Format	Color
RYB	39, 212, 0
Decimal	13939456
CIELab	73.70, -1.99, 75.92
CIElCh	74, 75.941, 91.503
Yxy	46.2372, 0.4500, 0.4809
Android (android.graphics.Color)	4292129536 (0xFFD4B300)
YUV	168.4610, -83.0513, 38.1837
Hunter-Lab	67.9979, -5.4053, 41.8054

Details

The XYZ color **43.2715, 46.2372, 6.6440** is a dark color, and the websafe version is hex **FFCC33**. The color can be described as middle washed orange. A complement of this color would be **12.4280, 5.8419, 62.7596**, and the grayscale version is **37.8180, 39.7875, 43.3286**.

A 20% lighter version of the original color is **72.1108, 80.6848, 19.3625**, and **20.5383, 21.8541, 3.1358** is the 20% darker color. If you saturate the color by 10%, you get **43.2719, 46.2383, 6.6442**, and if you desaturate by 10%, it is **44.0791, 47.6330, 7.5910**.

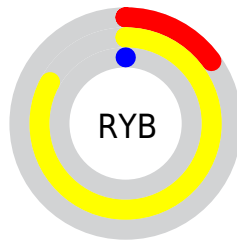
Distribution



Red (83%)

Green (70%)

Blue (0%)



Red (15%)

Yellow (83%)

Blue (0%)

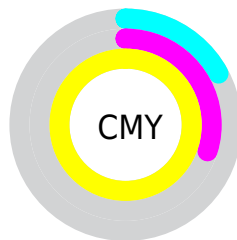


Cyan (0%)

Magenta (16%)

Yellow (100%)

Black (17%)



Cyan (17%)


Magenta (30%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 43.2715, 46.2372, 6.6440 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 43.2715, 46.2372, 6.6440 by changing the saturation by 10% instead.


 43.2715, 46.2372,
6.6440


 43.2715, 46.2372,
6.6440


350.6297,
371.7615, 174.1891

 30.2936, 32.4330,
3.1654

 79.3736, 84.5739,
19.7539


 20.2108, 21.6925,
1.1797


 103.2285,
109.8752, 30.2223


 12.6575, 13.6311,
0.0000


 131.4398,
139.7777, 43.8577

 7.2685, 7.8645,
0.0000

 164.3729,
174.6657, 61.0787

 3.6784, 4.0084,
0.0000

 202.3930,
214.9237, 82.3038

 1.5218, 1.6783,
0.0000

 245.8657,

 0.3406, 0.4095,

260.9361, 107.9515

0.0000

295.1561,
313.0872, 138.4404

■ 0.0000, 0.0000,
0.0000

■ 43.2715, 46.2372,
6.6440

■ 43.2715, 46.2372,
6.6440

■ 43.2719, 46.2383,
6.6442

■ 44.0791, 47.6330,
7.5910

■ 45.0524, 49.1187,
9.3362

■ 46.2429, 50.7169,
12.1457

■ 47.6782, 52.4390,
16.1652

■ 49.3819, 54.2944,
21.5176

■ 51.3744, 56.2915,
28.3107

■ 53.6744, 58.4379,
36.6412

■ 56.2986, 60.7404,
46.5976

■ 59.2627, 63.2056,
58.2613

Harmonies

Analogous

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



57.4965, 46.2372, 9.2477



43.2715, 46.2372, 6.6440



31.7568, 46.2372, 9.8905

Triad

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



43.2715, 46.2372, 6.6440



25.3590, 46.2372, 99.8919



70.8599, 46.2372, 94.6669

Complementary

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



43.2715, 46.2372, 6.6440



12.4280, 5.8419, 62.7596

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.



58.9149, 46.2372, 143.7461



43.2715, 46.2372, 6.6440



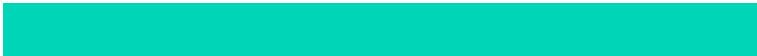
32.7134, 46.2372, 147.6959

Square

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



43.2715, 46.2372, 6.6440



22.8104, 46.2372, 52.3144



44.6296, 46.2372, 166.8298



75.2495, 46.2372, 48.4246

Rectangle

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



43.2715, 46.2372, 6.6440



26.6359, 46.2372, 16.8524



44.6296, 46.2372, 166.8298



67.4892, 46.2372, 112.0586

Sweetspot

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



43.2725, 46.2394, 6.6449



81.4047, 88.6514, 55.2041



27.4600, 14.1208, 2.8956



17.0942, 18.6723, 10.6062



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.



43.2725, 46.2394, 6.6449



65.6196, 70.0192, 10.0565



34.5857, 52.7792, 8.3651



13.3006, 14.1753, 13.1958



26.7743, 28.6659, 4.1219



1.6603, 1.8197, 0.2637

Inverse Universe

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



12.4280, 5.8419, 62.7596



18.7984, 8.7167, 95.2995



14.4588, 6.0813, 62.6987



11.8971, 12.3177, 15.6880



7.7190, 3.6998, 38.7605



0.5157, 0.3235, 2.3546

Previews

White Background



This preview shows how the XYZ color 43.2715, 46.2372, 6.6440 looks on a white background.

Color Contrast Check

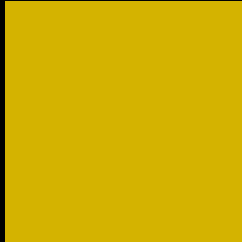
Large Text (above 18pt) WCAG AA × Fail

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 43.2715, 46.2372, 6.6440 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 43.2715, 46.2372, 6.6440

Background



This preview shows how black text looks on a background with the XYZ color 43.2715, 46.2372, 6.6440.

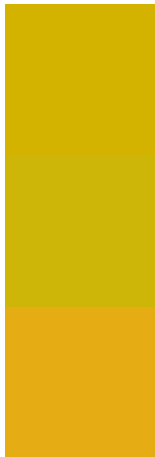


This preview shows how white text looks on a background with the XYZ color 43.2715, 46.2372,

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

43.2715, 46.2372, 6.6440

Protanopia

41.9431, 46.4504, 6.9562

Deuteranopia

47.1832, 46.2101, 7.0487



Tritanopia

51.8971, 46.0567, 48.8024

Trichromacy



Original Color

43.2715, 46.2372, 6.6440

Protanomaly

42.5582, 46.4664, 6.8407

Deuteranomaly

45.8278, 46.3745, 6.8836

Tritanomaly

46.5136, 45.2462, 22.2014

Monochromacy



Original Color

43.2715, 46.2372, 6.6440

Achromatopsia

37.2190, 39.1572, 42.6422

Achromatomaly

37.1735, 40.7569, 19.8175

CSS Examples

Text

The CSS property to change the color of the text to XYZ 43.2715, 46.2372, 6.6440 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, 179, 0)` looks like.

```
.text, #text, p{  
    color:rgb(212, 179, 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(212, 179, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 179, 0) }
```

Border

The CSS property to change the border of an element to XYZ 43.2715, 46.2372, 6.6440 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, 179, 0) }
```


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

```
.border{ border-color:rgb(212, 179, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(212, 179, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 179, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 179, 0);  
box-shadow:4px 4px 4px 4px rgb(212, 179,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 43.2715, 46.2372, 6.6440 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 179, 0) }
```

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

```
.background{ background-color: rgb(212,  
179, 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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