

Converting Colors

XYZ(44.0306, 46.4412, 5.0970)

Have a look what the booklet for
XYZ(44.0306, 46.4412, 5.0970)
contains.

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Color

**XYZ(44.2393, 46.4397,
6.6321)**

Conversions

Conversions Part 1

Format	Color
Hex	D8B200
RGB	216, 178, 0
RGB Percent	85%, 70%, 0%
CMY	0.1529, 0.3019, 0.9999
CMYK	0.00, 0.18, 1.00, 0.15
HSL	49°, 100%, 42%
HSV	49°, 100%, 85%
XYZ	44.2393, 46.4397, 6.6321
YIQ	169.0700, 79.7860, -47.3020

Conversions

Conversions Part 2

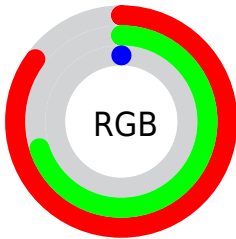
Format	Color
R _Y B	46, 216, 0
Decimal	14201344
CIE Lab	73.83, 0.29, 76.19
CIE LCh	74, 76.188, 89.781
Yxy	46.4397, 0.4546, 0.4772
Android (android.graphics.Color)	4292391424 (0xFFD8B200)
YUV	169.0700, -83.3515, 41.1576
Hunter-Lab	68.1467, -3.3785, 41.9325

Details

The XYZ color **44.2393, 46.4397, 6.6321** 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 **13.0883, 6.3449, 65.5001**, and the grayscale version is **38.1210, 40.1062, 43.6757**.

A 20% lighter version of the original color is **71.8269, 80.1170, 19.2679**, and **21.1712, 21.9896, 3.1286** is the 20% darker color. If you saturate the color by 10%, you get **44.2396, 46.4406, 6.6323**, and if you desaturate by 10%, it is **45.1480, 48.0316, 7.6314**.

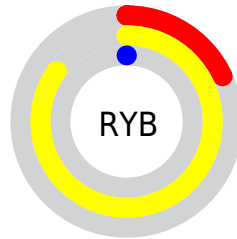
Distribution



Red (85%)

Green (70%)

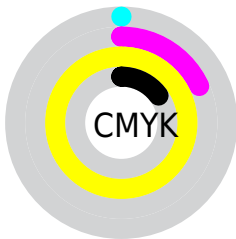
Blue (0%)



Red (18%)

Yellow (85%)

Blue (0%)

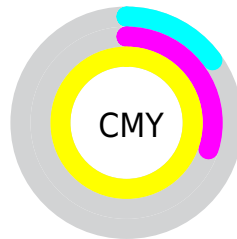


Cyan (0%)

Magenta (18%)

Yellow (100%)

Black (15%)



Cyan (15%)

Magenta (30%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 44.2393, 46.4397, 6.6321 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 44.2393, 46.4397, 6.6321 by changing the saturation by 10% instead.

■ 44.2393, 46.4397,
6.6321

■ 44.2393, 46.4397,
6.6321

354.5196,
372.5736, 174.0840

■ 31.0574, 32.5929,
3.1582

■ 80.8218, 84.8767,
19.7293

■ 20.7946, 21.8148,
1.1760

■ 104.9532,
110.2357, 30.1896

■ 13.0855, 13.7209,
0.0000

■ 133.4650,
140.2008, 43.8158

■ 7.5649, 7.9268,
0.0000

■ 166.7228,
175.1566, 61.0265

■ 3.8673, 4.0481,
0.0000

■ 205.0917,
215.4874, 82.2401

■ 1.6273, 1.7005,
0.0000

■ 248.9373,

■ 0.4101, 0.4240,

261.5775, 107.8752

0.0000

298.6248,
313.8115, 138.3503

■ 0.0000, 0.0000,
0.0000

■ 44.2393, 46.4397,
6.6321

■ 44.2393, 46.4397,
6.6321

■ 44.2396, 46.4406,
6.6323

■ 45.1480, 48.0316,
7.6314

■ 46.2346, 49.7265,
9.4679

■ 47.5524, 51.5480,
12.4169

■ 49.1305, 53.5079,
16.6313

■ 50.9936, 55.6163,
22.2398

■ 53.1633, 57.8822,
29.3553

■ 55.6589, 60.3135,
38.0792

■ 58.4982, 62.9175,
48.5039

■ 61.6975, 65.7011,
60.7151

Harmonies

Analogous

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



58.5953, 46.4397, 9.6092



44.2393, 46.4397, 6.6321



32.4216, 46.4397, 9.5152

Triad

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



44.2393, 46.4397, 6.6321



25.1672, 46.4397, 97.4216



70.6997, 46.4397, 98.1892

Complementary

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



44.2393, 46.4397, 6.6321



13.0883, 6.3449, 65.5001

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.



58.3870, 46.4397, 146.9196



44.2393, 46.4397, 6.6321



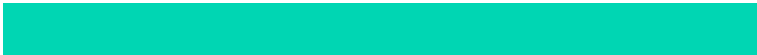
32.2813, 46.4397, 146.3391

Square

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



44.2393, 46.4397, 6.6321



22.8745, 46.4397, 50.2800



44.0399, 46.4397, 167.9130



75.6583, 46.4397, 50.8510

Rectangle

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



44.2393, 46.4397, 6.6321



27.0834, 46.4397, 16.0653



44.0399, 46.4397, 167.9130



67.1743, 46.4397, 115.6752

Sweetspot

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



44.2403, 46.4420, 6.6330



80.9424, 87.7269, 55.0500



28.6954, 14.7498, 3.3079



16.9825, 18.4488, 10.5690



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.



44.2403, 46.4420, 6.6330



64.3218, 67.4237, 9.6239



36.6972, 55.3706, 8.7540



13.2784, 14.1309, 13.1884



26.2567, 27.6306, 3.9494



1.6336, 1.7663, 0.2548

Inverse Universe

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



13.0883, 6.3449, 65.5001



18.9830, 9.0859, 95.3610



14.8075, 6.2021, 65.3819



11.9175, 12.3584, 15.6948



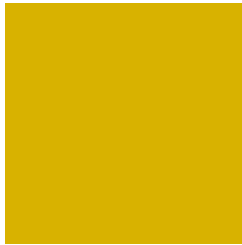
7.8020, 3.8659, 38.7881



0.5253, 0.3425, 2.3577

Previews

White Background



This preview shows how the XYZ color 44.2393, 46.4397, 6.6321 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 44.2393, 46.4397, 6.6321 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 44.2393, 46.4397, 6.6321

Background



This preview shows how black text looks on a background with the XYZ color 44.2393, 46.4397, 6.6321.



This preview shows how white text looks on a background with the XYZ color 44.2393, 46.4397,

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

44.2393, 46.4397, 6.6321

Protanopia

41.9486, 46.4526, 6.9850

Deuteranopia

47.4948, 46.3717, 7.0197



Tritanopia

52.5424, 46.1322, 48.2546

Trichromacy



Original Color

44.2393, 46.4397, 6.6321

Protanomaly

42.8458, 46.6140, 6.8828

Deuteranomaly

46.2478, 46.3038, 6.8166

Tritanomaly

47.4796, 45.4713, 21.8972

Monochromacy



Original Color

44.2393, 46.4397, 6.6321

Achromatopsia

37.7116, 39.6755, 43.2066

Achromatomaly

37.7090, 41.0269, 20.1189

CSS Examples

Text

The CSS property to change the color of the text to XYZ 44.2393, 46.4397, 6.6321 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(216, 178, 0)` looks like.

```
.text, #text, p{  
    color:rgb(216, 178, 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(216, 178, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 178, 0) }
```

Border

The CSS property to change the border of an element to XYZ 44.2393, 46.4397, 6.6321 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(216, 178, 0) }
```


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

```
.border{ border-color:rgb(216, 178, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(216, 178, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 178, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 178, 0);  
box-shadow:4px 4px 4px 4px rgb(216, 178,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 44.2393, 46.4397, 6.6321 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 178, 0) }
```

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

```
.background{ background-color: rgb(216,  
178, 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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