

Converting Colors

XYZ(44.9624, 41.2153, 5.5856)

Have a look what the booklet for
XYZ(44.9624, 41.2153, 5.5856)
contains.

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Color

**XYZ(45.1819, 41.4426,
5.6179)**

Conversions

Conversions Part 1

Format	Color
Hex	E79E00
RGB	231, 158, 0
RGB Percent	91%, 62%, 0%
CMY	0.0941, 0.3804, 0.9999
CMYK	0.00, 0.32, 1.00, 0.09
HSL	41°, 100%, 45%
HSV	41°, 100%, 91%
XYZ	45.1819, 41.4426, 5.6179
YIQ	161.8150, 94.2260, -33.6620

Conversions

Conversions Part 2

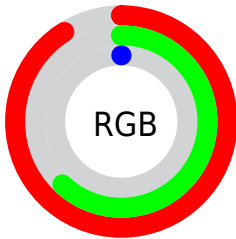
Format	Color
RYB	107, 231, 0
Decimal	15179264
CIELab	70.48, 17.44, 74.66
CIELCh	70, 76.666, 76.849
Yxy	41.4426, 0.4898, 0.4493
Android (android.graphics.Color)	4293369344 (0xFFE79E00)
YUV	161.8150, -79.7748, 60.6752
Hunter-Lab	64.3759, 12.6214, 39.8891

Details

The XYZ color **45.1819, 41.4426, 5.6179** is a dark color, and the websafe version is hex **CC9900**. The color can be described as dark washed orange. A complement of this color would be **16.8070, 10.5358, 76.7487**, and the grayscale version is **34.5886, 36.3899, 39.6286**.

A 20% lighter version of the original color is **66.1230, 68.8828, 16.8318**, and **21.6199, 18.9504, 2.5183** is the 20% darker color. If you saturate the color by 10%, you get **45.1819, 41.4430, 5.6180**, and if you desaturate by 10%, it is **46.6210, 44.0720, 6.8662**.

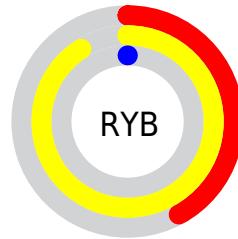
Distribution



Red (91%)

Green (62%)

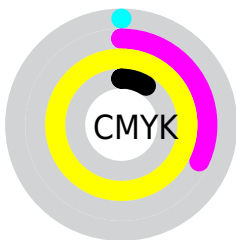
Blue (0%)



Red (42%)

Yellow (91%)

Blue (0%)

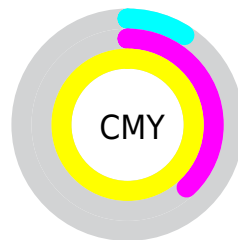


Cyan (0%)

Magenta (32%)

Yellow (100%)

Black (9%)



Cyan (9%)

Magenta (38%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 45.1819, 41.4426, 5.6179 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 45.1819, 41.4426, 5.6179 by changing the saturation by 10% instead.

45.1819, 41.4426,
5.6179

45.1819, 41.4426,
5.6179

358.2811,
352.1671, 164.7967

31.8026, 28.6651,
2.5492

82.2287, 77.3553,
17.5963

21.3656, 18.8276,
0.8660

106.6269,
101.2593, 27.3430

13.5055, 11.5458,
0.0000

135.4288,
129.6409, 40.1528

7.8569, 6.4352,
0.0000

168.9998,
162.8846, 56.4442

4.0546, 3.1115,
0.0000

207.7051,
201.3746, 76.6357

1.7331, 1.1902,
0.0000

251.9102,

0.4768, 0.0537,

245.4954, 101.1460

0.0000

301.9804,
295.6314, 130.3935

0.0000, 0.0000,
0.0000

45.1819, 41.4426,
5.6179

45.1819, 41.4426,
5.6179

45.1819, 41.4430,
5.6180

46.6210, 44.0720,
6.8662

48.3203, 46.9240,
9.1175

50.3410, 50.0269,
12.6845

52.7187, 53.3967,
17.7486

55.4835, 57.0474,
24.4624

■ 58.6617, 60.9913,
32.9595

■ 62.2773, 65.2397,
43.3598

■ 66.3519, 69.8031,
55.7727

■ 70.9058, 74.6913,
70.2992

Harmonies

Analogous

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



58.4586, 41.4426, 11.0111



45.1819, 41.4426, 5.6179



32.7572, 41.4426, 5.9128

Triad

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



45.1819, 41.4426, 5.6179



20.4082, 41.4426, 68.4544



59.9137, 41.4426, 111.4265

Complementary

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



45.1819, 41.4426, 5.6179



16.8070, 10.5358, 76.7487

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.



46.8626, 41.4426, 149.8936



45.1819, 41.4426, 5.6179



24.9970, 41.4426, 117.3312

Square

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



45.1819, 41.4426, 5.6179



20.1474, 41.4426, 31.0688



34.1154, 41.4426, 152.4970



68.1113, 41.4426, 62.8837

Rectangle

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



45.1819, 41.4426, 5.6179



26.5389, 41.4426, 9.2002



34.1154, 41.4426, 152.4970



55.8362, 41.4426, 126.8782

Sweetspot

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



45.1828, 41.4447, 5.6187



77.8532, 81.5486, 54.0203



34.1629, 17.4723, 7.9031



16.2395, 16.9628, 10.3213



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.



45.1828, 41.4447, 5.6187



56.4569, 51.6937, 7.0023



49.4759, 67.9259, 10.5038



15.1974, 16.0086, 15.1934



25.4459, 23.4660, 3.1882



1.9629, 1.8990, 0.2631

Inverse Universe

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



16.8070, 10.5358, 76.7487



20.9615, 13.0430, 96.0205



15.3936, 6.2697, 75.9997



13.9527, 14.6267, 18.2322



9.5202, 6.1025, 43.0593



0.7846, 0.6131, 3.2089

Previews

White Background



This preview shows how the XYZ color 45.1819, 41.4426, 5.6179 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 45.1819, 41.4426, 5.6179 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 45.1819, 41.4426, 5.6179

Background



This preview shows how black text looks on a background with the XYZ color 45.1819, 41.4426, 5.6179.



This preview shows how white text looks on a background with the XYZ color 45.1819, 41.4426,

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

45.1819, 41.4426, 5.6179

Protanopia

37.5355, 41.5237, 6.4885

Deuteranopia

42.4889, 41.6110, 5.7923



Tritanopia

51.8652, 41.5132, 37.6270

Trichromacy



Original Color

45.1819, 41.4426, 5.6179

Protanomaly

40.0698, 41.4371, 6.1734

Deuteranomaly

43.3518, 41.5286, 5.7309

Tritanomaly

47.6765, 40.7350, 17.6617

Monochromacy



Original Color

45.1819, 41.4426, 5.6179

Achromatopsia

34.3422, 36.1307, 39.3463

Achromatomaly

35.6866, 37.0338, 18.0993

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.1819, 41.4426, 5.6179 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(231, 158, 0)` looks like.

```
.text, #text, p{  
    color:rgb(231, 158, 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(231, 158, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 158, 0) }
```

Border

The CSS property to change the border of an element to XYZ 45.1819, 41.4426, 5.6179 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(231, 158, 0) }
```


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

```
.border{ border-color:rgb(231, 158, 0) }
```

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

Here you see how a box with a 4 pixel rgb(231, 158, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 158, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 158, 0);  
box-shadow:4px 4px 4px 4px rgb(231, 158,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 45.1819, 41.4426, 5.6179 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 158, 0) }
```

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

```
.background{ background-color: rgb(231,  
158, 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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