

Converting Colors

XYZ(41.7589, 47.5807, 6.9831)

Have a look what the booklet for
XYZ(41.7589, 47.5807, 6.9831)
contains.

XYZ(41.6463, 47.5353, 6.9802)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(41.6463, 47.5353,
6.9802)**

Conversions

Conversions Part 1

Format	Color
Hex	C9BA00
RGB	201, 186, 0
RGB Percent	79%, 73%, 0%
CMY	0.2118, 0.2706, 0.9999
CMYK	0.00, 0.07, 1.00, 0.21
HSL	56°, 100%, 39%
HSV	56°, 100%, 79%
XYZ	41.6463, 47.5353, 6.9802
YIQ	169.2810, 68.6460, -54.6660

Conversions

Conversions Part 2

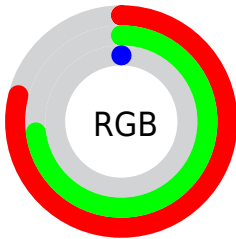
Format	Color
RYB	16, 201, 0
Decimal	13220352
CIELab	74.53, -10.45, 76.04
CIELCh	75, 76.758, 97.827
Yxy	47.5353, 0.4331, 0.4943
Android (android.graphics.Color)	4291410432 (0xFFC9BA00)
YUV	169.2810, -83.4555, 27.8176
Hunter-Lab	68.9458, -12.8334, 42.2595

Details

The XYZ color **41.6463, 47.5353, 6.9802** is a dark color, and the websafe version is hex **CCCC00**. The color can be described as dark washed orange. A complement of this color would be **10.7138, 4.5591, 55.5733**, and the grayscale version is **38.2305, 40.2214, 43.8011**.

A 20% lighter version of the original color is **74.4773, 85.3583, 20.3350**, and **19.5429, 22.5258, 3.3179** is the 20% darker color. If you saturate the color by 10%, you get **41.6470, 47.5369, 6.9805**, and if you desaturate by 10%, it is **42.0922, 48.2236, 7.7570**.

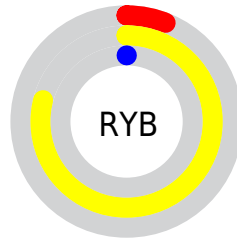
Distribution



Red (79%)

Green (73%)

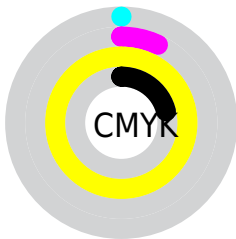
Blue (0%)



Red (6%)

Yellow (79%)

Blue (0%)

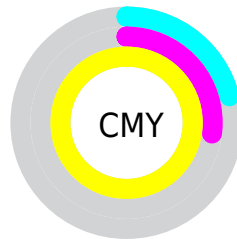


Cyan (0%)

Magenta (7%)

Yellow (100%)

Black (21%)



Cyan (21%)

Magenta (27%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 41.6463, 47.5353, 6.9802 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 41.6463, 47.5353, 6.9802 by changing the saturation by 10% instead.

41.6463, 47.5353,
6.9802

41.6463, 47.5353,
6.9802

344.0312,
376.9472, 177.1238

29.0143, 33.4590,
3.3715

76.9326, 86.5121,
20.4456

19.2360, 22.4783,
1.2873

100.3176,
112.1814, 31.1393

11.9459, 14.2088,
0.0513

128.0176,
142.4839, 45.0317

6.7788, 8.2660,
0.0000

160.3981,
177.8039, 62.5414

3.3693, 4.2656,
0.0000

197.8243,
218.5259, 84.0869

1.3519, 1.8232,
0.0000

240.6617,

0.2216, 0.5016,

265.0341, 110.0868

0.0000

289.2756,
317.7131, 140.9596

■ 0.0000, 0.0000,
0.0000

■ 41.6463, 47.5353,
6.9802

■ 41.6463, 47.5353,
6.9802

■ 41.6470, 47.5369,
6.9805

■ 42.0922, 48.2236,
7.7570

■ 42.6725, 48.9692,
9.2300

■ 43.4341, 49.7927,
11.6410

■ 44.4011, 50.7036,
15.1173

■ 45.5940, 51.7103,
19.7666

■ 47.0307, 52.8199,
25.6832

■ 48.7274, 54.0389,
32.9519

■ 50.6987, 55.3731,
41.6502

■ 52.9582, 56.8281,
51.8498

Harmonies

Analogous

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



56.0086, 47.5353, 8.3602



41.6463, 47.5353, 6.9802



30.7228, 47.5353, 11.8392

Triad

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



41.6463, 47.5353, 6.9802



27.2241, 47.5353, 114.1296



74.6418, 47.5353, 86.2546

Complementary

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



41.6463, 47.5353, 6.9802



10.7138, 4.5591, 55.5733

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.



63.5840, 47.5353, 138.5302



41.6463, 47.5353, 6.9802



35.8471, 47.5353, 159.5588

Square

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



41.6463, 47.5353, 6.9802



23.5803, 47.5353, 62.8687



48.9100, 47.5353, 170.2425



77.0760, 47.5353, 42.0399

Rectangle

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



41.6463, 47.5353, 6.9802



26.1620, 47.5353, 20.8165



48.9100, 47.5353, 170.2425



71.7149, 47.5353, 103.9922

Sweetspot

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



41.6474, 47.5376, 6.9812



83.2925, 92.4270, 55.8334



24.1868, 12.4576, 1.6506



17.5520, 19.5879, 10.7588



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.



41.6474, 47.5376, 6.9812



71.2286, 81.2371, 11.9262



28.2573, 45.5728, 7.3076



11.4536, 12.2763, 11.3287



26.2158, 29.9488, 4.3990



1.2620, 1.4594, 0.2152

Inverse Universe

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



10.7138, 4.5591, 55.5733



18.2833, 7.6866, 95.1278



14.1775, 6.0912, 55.6864



10.1192, 10.4125, 13.3940



6.7624, 2.9187, 34.9513



0.3428, 0.1834, 1.6625

Previews

White Background



This preview shows how the XYZ color 41.6463, 47.5353, 6.9802 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 41.6463, 47.5353, 6.9802 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 41.6463, 47.5353, 6.9802

Background



This preview shows how black text looks on a background with the XYZ color 41.6463, 47.5353, 6.9802.

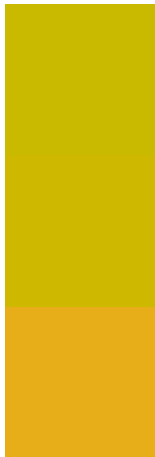


This preview shows how white text looks on a background with the XYZ color 41.6463, 47.5353,

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

41.6463, 47.5353, 6.9802

Protanopia

42.8726, 47.5464, 6.9177

Deuteranopia

48.5902, 47.4981, 7.5268



Tritanopia

50.9579, 47.4294, 52.9234

Trichromacy



Original Color

41.6463, 47.5353, 6.9802

Protanomaly

42.5258, 47.6771, 6.9612

Deuteranomaly

45.8327, 47.2504, 7.1948

Tritanomaly

45.2028, 46.5587, 23.7438

Monochromacy



Original Color

41.6463, 47.5353, 6.9802

Achromatopsia

37.7116, 39.6755, 43.2066

Achromatomaly

37.0928, 41.5664, 20.2555

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.6463, 47.5353, 6.9802 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(201, 186, 0)` looks like.

```
.text, #text, p{  
    color:rgb(201, 186, 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(201, 186, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 186, 0) }
```

Border

The CSS property to change the border of an element to XYZ 41.6463, 47.5353, 6.9802 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(201, 186, 0) }
```


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

```
.border{ border-color:rgb(201, 186, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(201, 186, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(201, 186, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(201, 186, 0);  
box-shadow:4px 4px 4px 4px rgb(201, 186,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 41.6463, 47.5353, 6.9802 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(201, 186, 0) }
```

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

```
.background{ background-color: rgb(201,  
186, 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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