

Converting Colors

XYZ(40.3262, 43.6860, 6.3068)

Have a look what the booklet for
XYZ(40.3262, 43.6860, 6.3068)
contains.

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Color

**XYZ(40.2318, 43.4973,
6.2754)**

Conversions

Conversions Part 1

Format	Color
Hex	CCAF00
RGB	204, 175, 0
RGB Percent	80%, 69%, 0%
CMY	0.2000, 0.3137, 0.9999
CMYK	0.00, 0.14, 1.00, 0.20
HSL	51°, 100%, 40%
HSV	51°, 100%, 80%
XYZ	40.2318, 43.4973, 6.2754
YIQ	163.7210, 73.4590, -48.2770

Conversions

Conversions Part 2

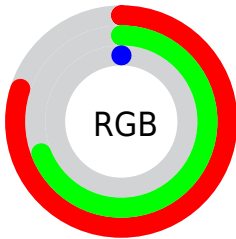
Format	Color
R_YB	34, 204, 0
Decimal	13414144
CIE _{Lab}	71.89, -3.42, 74.28
CIE _{LCh}	72, 74.361, 92.640
Yxy	43.4973, 0.4470, 0.4833
Android (android.graphics.Color)	4291604224 (0xFFCCAF00)
YUV	163.7210, -80.7145, 35.3247
Hunter-Lab	65.9525, -6.5297, 40.5253

Details

The XYZ color **40.2318, 43.4973, 6.2754** 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 **11.3389, 5.2390, 57.5399**, and the grayscale version is **35.5030, 37.3519, 40.6762**.

A 20% lighter version of the original color is **70.9481, 78.4181, 18.7940**, and **18.7600, 20.1857, 2.9075** is the 20% darker color. If you saturate the color by 10%, you get **40.2322, 43.4983, 6.2756**, and if you desaturate by 10%, it is **40.9332, 44.6923, 7.1506**.

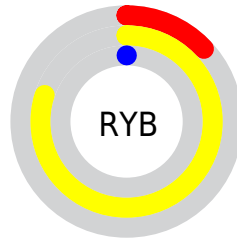
Distribution



Red (80%)

Green (69%)

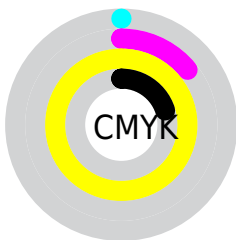
Blue (0%)



Red (13%)

Yellow (80%)

Blue (0%)

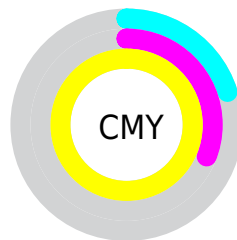


Cyan (0%)

Magenta (14%)

Yellow (100%)

Black (20%)



Cyan (20%)

Magenta (31%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.2318, 43.4973, 6.2754 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 40.2318, 43.4973, 6.2754 by changing the saturation by 10% instead.

■ 40.2318, 43.4973,
6.2754

■ 40.2318, 43.4973,
6.2754

338.2173,
360.6529, 170.8950

■ 27.9043, 30.2755,
2.9418

■ 74.7985, 80.4608,
18.9873

■ 18.3936, 20.0478,
1.0650

■ 97.7684, 104.9712,
29.2027

■ 11.3344, 12.4298,
0.0000

■ 125.0165,
134.0134, 42.5491

■ 6.3612, 7.0371,
0.0000

■ 156.9081,
167.9716, 59.4450

■ 3.1086, 3.4853,
0.0000

■ 193.8087,
207.2302, 80.3091

■ 1.2115, 1.3900,
0.0000

■ 236.0835,

■ 0.1154, 0.2094,

252.1737, 105.5597

0.0000

284.0979,
303.1865, 135.6155

■ 0.0000, 0.0000,
0.0000

■ 40.2318, 43.4973,
6.2754

■ 40.2318, 43.4973,
6.2754

■ 40.2322, 43.4983,
6.2756

■ 40.9332, 44.6923,
7.1506

■ 41.7829, 45.9645,
8.7511

■ 42.8290, 47.3348,
11.3250

■ 44.0966, 48.8135,
15.0045

■ 45.6069, 50.4092,
19.9013

■ 47.3788, 52.1294,
26.1133

■ 49.4288, 53.9810,
33.7285

■ 51.7724, 55.9703,
42.8274

■ 54.4238, 58.1029,
53.4841

Harmonies

Analogous

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



53.5712, 43.4973, 8.5051



40.2318, 43.4973, 6.2754



29.5534, 43.4973, 9.5686

Triad

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



40.2318, 43.4973, 6.2754



24.0442, 43.4973, 95.7970



66.9527, 43.4973, 87.1743

Complementary

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



40.2318, 43.4973, 6.2754



11.3389, 5.2390, 57.5399

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.



55.9126, 43.4973, 133.6753



40.2318, 43.4973, 6.2754



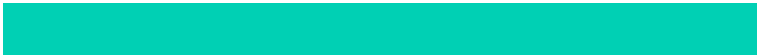
31.1332, 43.4973, 140.1913

Square

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



40.2318, 43.4973, 6.2754



21.4805, 43.4973, 50.6453



42.4742, 43.4973, 156.7290



70.7421, 43.4973, 44.2222

Rectangle

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



40.2318, 43.4973, 6.2754



24.8546, 43.4973, 16.4001



42.4742, 43.4973, 156.7290



63.8690, 43.4973, 103.5197

Sweetspot

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



40.2328, 43.4994, 6.2763



81.7149, 89.2719, 55.3075



25.1441, 12.9346, 2.4413



17.1693, 18.8225, 10.6313



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.



40.2328, 43.4994, 6.2763



66.5075, 71.7950, 10.3525



31.2035, 48.1399, 7.6479



12.0126, 12.8142, 11.9197



25.3749, 27.4827, 3.9673



1.3473, 1.4942, 0.2174

Inverse Universe

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



11.3389, 5.2390, 57.5399



18.6883, 8.4967, 95.2628



13.5280, 5.7152, 57.5164



10.7283, 11.0970, 14.1469



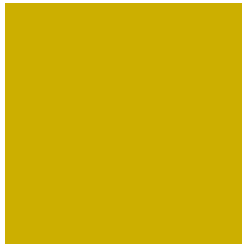
7.1776, 3.3793, 36.2302



0.4129, 0.2596, 1.8833

Previews

White Background



This preview shows how the XYZ color 40.2318, 43.4973, 6.2754 looks on a white background.

Color Contrast Check

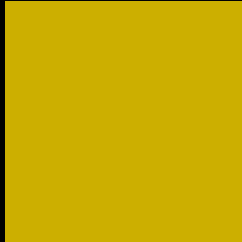
Large Text (above 18pt) WCAG AA × Fail

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 40.2318, 43.4973, 6.2754 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 40.2318, 43.4973, 6.2754

Background



This preview shows how black text looks on a background with the XYZ color 40.2318, 43.4973, 6.2754.



This preview shows how white text looks on a background with the XYZ color 40.2318, 43.4973,

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

40.2318, 43.4973, 6.2754

Protanopia

39.3082, 43.5995, 6.5161

Deuteranopia

44.3764, 43.3759, 6.6953



Tritanopia

48.5666, 43.5857, 46.4106

Trichromacy



Original Color

40.2318, 43.4973, 6.2754

Protanomaly

39.6346, 43.4769, 6.4178

Deuteranomaly

42.7663, 43.3774, 6.4994

Tritanomaly

43.2663, 42.4868, 20.9593

Monochromacy



Original Color

40.2318, 43.4973, 6.2754

Achromatopsia

35.2861, 37.1238, 40.4278

Achromatomaly

35.0917, 38.5884, 18.6955

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.2318, 43.4973, 6.2754 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(204, 175, 0)` looks like.

```
.text, #text, p{  
    color:rgb(204, 175, 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(204, 175, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 175, 0) }
```

Border

The CSS property to change the border of an element to XYZ 40.2318, 43.4973, 6.2754 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(204, 175, 0) }
```


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

```
.border{ border-color:rgb(204, 175, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 175, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 175, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 175, 0);  
box-shadow:4px 4px 4px 4px rgb(204, 175,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 40.2318, 43.4973, 6.2754 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 175, 0) }
```

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

```
.background{ background-color: rgb(204,  
175, 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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