

Converting Colors

XYZ(10.0740, 15.9852, 5.0242)

Have a look what the booklet for
XYZ(10.0740, 15.9852, 5.0242)
contains.

XYZ(10.1220, 16.0500, 5.0471)	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(10.1220, 16.0500,
5.0471)**

Conversions

Conversions Part 1

Format	Color
Hex	437D2D
RGB	67, 125, 45
RGB Percent	26%, 49%, 18%
CMY	0.7373, 0.5098, 0.8235
CMYK	0.46, 0.00, 0.64, 0.51
HSL	104°, 47%, 33%
HSV	104°, 64%, 49%
XYZ	10.1220, 16.0500, 5.0471
YIQ	98.5380, -8.8880, -37.1760

Conversions

Conversions Part 2

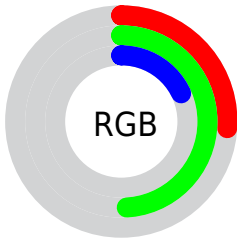
Format	Color
RYB	45, 125, 103
Decimal	4422957
CIELab	47.04, -34.73, 36.85
CIELCh	47, 50.631, 133.303
Yxy	16.0500, 0.3242, 0.5141
Android (android.graphics.Color)	4282613037 (0xFF437D2D)
YUV	98.5380, -26.3942, -27.6588
Hunter-Lab	40.0625, -25.0103, 20.5743

Details

The XYZ color **10.1220, 16.0500, 5.0471** is a dark color, and the websafe version is hex **336600**. A complement of this color would be **10.2345, 6.2416, 20.0683**, and the grayscale version is **11.8097, 12.4247, 13.5305**.

A 20% lighter version of the original color is **25.6865, 36.6420, 16.3085**, and **2.6162, 5.0838, 0.8434** is the 20% darker color. If you saturate the color by 10%, you get **9.3428, 15.6726, 3.9353**, and if you desaturate by 10%, it is **11.0706, 16.5074, 6.5397**.

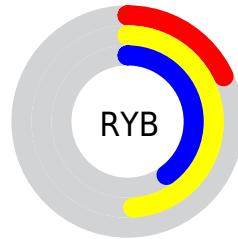
Distribution



Red (26%)

Green (49%)

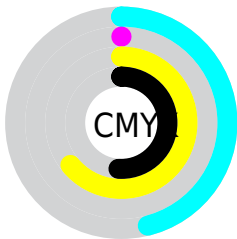
Blue (18%)



Red (18%)

Yellow (49%)

Blue (40%)

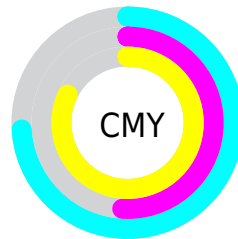


Cyan (46%)

Magenta (0%)

Yellow (64%)

Black (51%)



Cyan (74%)

Magenta (51%)

Yellow (82%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 10.1220, 16.0500, 5.0471 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 10.1220, 16.0500, 5.0471 by changing the saturation by 10% instead.

■ 10.1220, 16.0500,
5.0471

■ 10.1220, 16.0500,
5.0471

185.5761,
229.6366, 159.2363

■ 5.5428, 9.5595,
2.2157

■ 25.6723, 36.6850,
16.3606

■ 2.6071, 5.1079,
0.6834

■ 37.3742, 51.5983,
25.6797

■ 0.9496, 2.3107,
0.0000

■ 52.1809, 70.0880,
37.9985

■ 0.0000, 0.7794,
0.0000

■ 70.4580, 92.5386,
53.7355

■ 0.0000, 0.0000,
0.0000

■ 92.5706, 119.3343,
73.3092

■ 118.8843,

150.8596, 97.1382

149.7643,
187.4989, 125.6411

■ 10.1220, 16.0500,
5.0471

■ 10.1220, 16.0500,
5.0471

■ 9.3428, 15.6726,
3.9353

■ 11.0706, 16.5074,
6.5397

■ 8.7208, 15.3683,
3.1686

■ 12.1973, 17.0474,
8.4424

■ 8.2428, 15.1317,
2.7017

■ 13.5117, 17.6745,
10.7828

■ 8.0060, 15.0144,
2.4761

■ 15.0222, 18.3927,
13.5857

■ 16.7367, 19.2056,
16.8742

■ 18.6627, 20.1164,
20.6698

■ 20.8072, 21.1285,
24.9927

■ 23.1771, 22.2449,
29.8621

■ 25.7787, 23.4685,
35.2959

Harmonies

Analogous

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



13.3758, 16.0500, 2.8551



10.1220, 16.0500, 5.0471



8.4582, 16.0500, 11.3563

Triad

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



10.1220, 16.0500, 5.0471



12.9339, 16.0500, 52.8578



25.1494, 16.0500, 12.4369

Complementary

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



10.1220, 16.0500, 5.0471



10.2345, 6.2416, 20.0683

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.



24.9675, 16.0500, 25.4733



10.1220, 16.0500, 5.0471



17.3026, 16.0500, 53.6446

Square

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



10.1220, 16.0500, 5.0471



9.8528, 16.0500, 40.1472



21.8830, 16.0500, 41.9542



22.3403, 16.0500, 5.5072

Rectangle

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



10.1220, 16.0500, 5.0471



8.2272, 16.0500, 18.9210



21.8830, 16.0500, 41.9542



25.4502, 16.0500, 16.1060

Sweetspot

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



10.1224, 16.0507, 5.0475



28.2474, 33.5747, 26.8905



13.7160, 14.1186, 4.4851



6.2631, 7.5601, 5.8072



60.6688, 63.8283, 69.5090



7.9400, 8.3535, 9.0970

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



10.1224, 16.0507, 5.0475



16.1543, 27.7836, 6.3061



9.2950, 15.5774, 7.1227



4.3785, 4.8715, 4.6297



8.3492, 15.6666, 2.5839



0.0000, 0.0000, 0.0000

Inverse Universe

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



10.2345, 6.2416, 20.0683



16.3069, 8.6478, 35.5541



12.0855, 7.3128, 14.8698



4.3865, 4.3548, 5.4226



8.3214, 3.8435, 20.5532



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 10.1220, 16.0500, 5.0471 looks on a white background.

Color Contrast Check

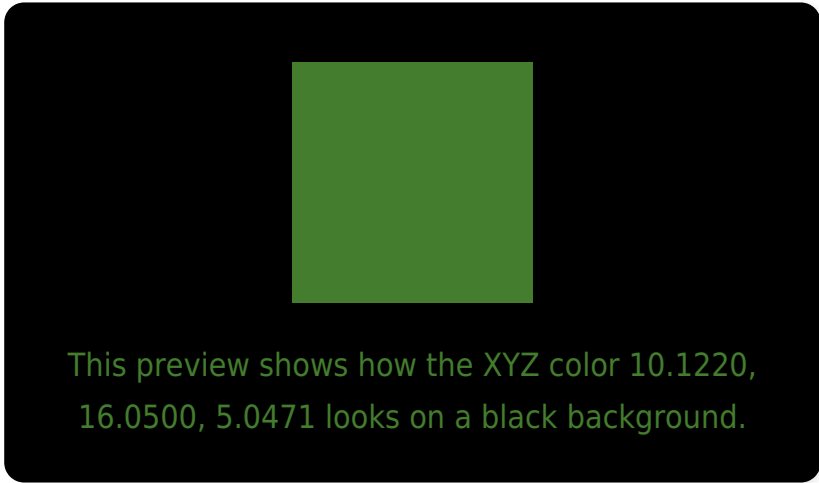
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 10.1220, 16.0500, 5.0471

Background



This preview shows how black text looks on a background with the XYZ color 10.1220, 16.0500, 5.0471.



This preview shows how white text looks on a background with the XYZ color 10.1220, 16.0500,

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

10.1220, 16.0500, 5.0471

Protanopia

14.3969, 15.8141, 4.3914

Deuteranopia

16.0681, 15.8654, 5.3474



Tritanopia

13.5205, 15.9783, 22.1102

Trichromacy



Original Color

10.1220, 16.0500, 5.0471

Protanomaly

12.2568, 15.5415, 4.5443

Deuteranomaly

13.1416, 15.4768, 5.2004

Tritanomaly

11.8546, 15.8325, 13.7404

Monochromacy



Original Color

10.1220, 16.0500, 5.0471

Achromatopsia

11.8596, 12.4772, 13.5877

Achromatomaly

10.7043, 13.3159, 9.4032

CSS Examples

Text

The CSS property to change the color of the text to XYZ 10.1220, 16.0500, 5.0471 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(67, 125, 45)` looks like.

```
.text, #text, p{  
    color:rgb(67, 125, 45)  
}
```

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(67, 125, 45) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(67, 125, 45) }
```

Border

The CSS property to change the border of an element to XYZ 10.1220, 16.0500, 5.0471 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(67, 125, 45) }
```


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

```
.border{ border-color:rgb(67, 125, 45) }
```

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

Here you see how a box with a 4 pixel `rgb(67, 125, 45)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(67, 125, 45); -webkit-box-  
shadow:4px 4px 4px 4px rgb(67, 125, 45);  
box-shadow:4px 4px 4px 4px rgb(67, 125,  
45) }
```

Background

The CSS property to change the background color of an element to XYZ 10.1220, 16.0500, 5.0471 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(67, 125, 45) }
```

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

```
.background{ background-color: rgb(67, 125,  
45) }
```

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](#).

Hey! You found this booklet
interesting? Support Converting
Colors with the new Membership
Option!

The pro membership hides all ads, plus gives you
double the colors in the color bucket, and more
awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor