

Converting Colors

XYZ(10.1919, 16.2495, 5.3008)

Have a look what the booklet for
XYZ(10.1919, 16.2495, 5.3008)
contains.

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Color

**XYZ(10.2207, 16.2852,
5.2940)**

Conversions

Conversions Part 1

Format	Color
Hex	427E2F
RGB	66, 126, 47
RGB Percent	26%, 49%, 18%
CMY	0.7412, 0.5059, 0.8157
CMYK	0.48, 0.00, 0.63, 0.51
HSL	106°, 46%, 34%
HSV	106°, 63%, 49%
XYZ	10.2207, 16.2852, 5.2940
YIQ	99.0540, -10.4010, -37.2890

Conversions

Conversions Part 2

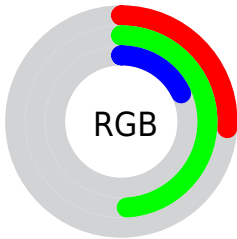
Format	Color
RYB	47, 126, 107
Decimal	4357679
CIELab	47.35, -35.28, 36.22
CIELCh	47, 50.562, 134.245
Yxy	16.2852, 0.3214, 0.5121
Android (android.graphics.Color)	4282547759 (0xFF427E2F)
YUV	99.0540, -25.6626, -28.9884
Hunter-Lab	40.3549, -25.4124, 20.4704

Details

The XYZ color **10.2207, 16.2852, 5.2940** is a dark color, and the websafe version is hex **336600**. A complement of this color would be **10.8467, 6.6658, 20.4545**, and the grayscale version is **11.9382, 12.5599, 13.6778**.

A 20% lighter version of the original color is **25.8392, 37.0067, 16.8475**, and **2.6595, 5.2076, 0.8650** is the 20% darker color. If you saturate the color by 10%, you get **9.4108, 15.8934, 4.1157**, and if you desaturate by 10%, it is **11.2128, 16.7634, 6.8648**.

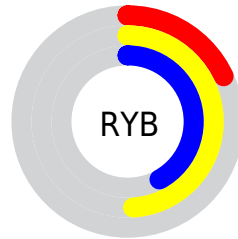
Distribution



Red (26%)

Green (49%)

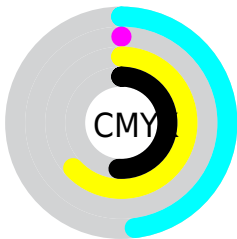
Blue (18%)



Red (18%)

Yellow (49%)

Blue (42%)

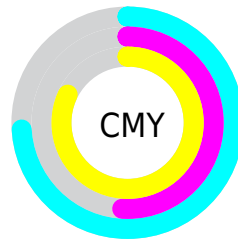


Cyan (48%)

Magenta (0%)

Yellow (63%)

Black (51%)



Cyan (74%)

Magenta (51%)

Yellow (82%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 10.2207, 16.2852, 5.2940 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 10.2207, 16.2852, 5.2940 by changing the saturation by 10% instead.

■ 10.2207, 16.2852,
5.2940

■ 10.2207, 16.2852,
5.2940

186.2610,
231.0188, 161.6747

■ 5.6089, 9.7262,
2.3590

■ 25.8557, 37.0926,
16.8985

■ 2.6472, 5.2178,
0.7640

■ 37.6097, 52.1098,
26.4052

■ 0.9700, 2.3756,
0.0000

■ 52.4751, 70.7152,
38.9395

■ 0.0000, 0.8133,
0.0000

■ 70.8172, 93.2932,
54.9200

■ 0.0000, 0.0000,
0.0000

■ 93.0016, 120.2281,
74.7652

■ 119.3934,

151.9045, 98.8937

150.3581,
188.7065, 127.7240

■ 10.2207, 16.2852,
5.2940

■ 10.2207, 16.2852,
5.2940

■ 9.4108, 15.8934,
4.1157

■ 11.2128, 16.7634,
6.8648

■ 8.7699, 15.5806,
3.2942

■ 12.3966, 17.3308,
8.8575

■ 8.2850, 15.3412,
2.7887

■ 13.7824, 17.9926,
11.2999

■ 8.0054, 15.2030,
2.5125

■ 15.3793, 18.7529,
14.2172

■ 17.1959, 19.6157,
17.6328

■ 19.2404, 20.5846,
21.5683

■ 21.5203, 21.6633,
26.0443

■ 24.0430, 22.8549,
31.0802

■ 26.8155, 24.1628,
36.6942

Harmonies

Analogous

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



13.4577, 16.2852, 2.9709



10.2207, 16.2852, 5.2940



8.5900, 16.2852, 11.8503

Triad

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



10.2207, 16.2852, 5.2940



13.2592, 16.2852, 53.5621



25.3986, 16.2852, 12.3361

Complementary

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



10.2207, 16.2852, 5.2940



10.8467, 6.6658, 20.4545

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.



25.3170, 16.2852, 25.2945



10.2207, 16.2852, 5.2940



17.6924, 16.2852, 53.9140

Square

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



10.2207, 16.2852, 5.2940



10.0996, 16.2852, 41.0623



22.2869, 16.2852, 41.8711



22.4919, 16.2852, 5.5017

Rectangle

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



10.2207, 16.2852, 5.2940



8.3894, 16.2852, 19.6178



22.2869, 16.2852, 41.8711



25.7351, 16.2852, 15.9708

Sweetspot

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



10.2211, 16.2859, 5.2944



28.0668, 33.4816, 26.8821



14.2978, 15.0013, 4.8315



6.2182, 7.5370, 5.8051



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.



10.2211, 16.2859, 5.2944



16.0722, 27.7350, 6.5859



9.6393, 15.9291, 7.8379



4.3654, 4.8648, 4.6290



8.2090, 15.5943, 2.5773



0.0000, 0.0000, 0.0000

Inverse Universe

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



10.8467, 6.6658, 20.4545



17.2091, 9.2727, 35.6272



12.2359, 7.5149, 14.5103



4.4003, 4.3620, 5.4233



8.7761, 4.0780, 20.5745



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 10.2207, 16.2852, 5.2940 looks on a white background.

Color Contrast Check

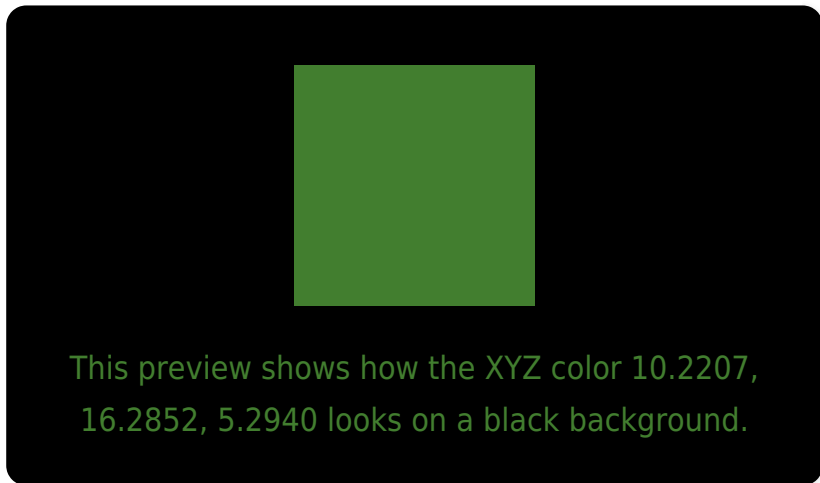
Large Text (above 18pt) WCAG AA ✓ Pass

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 10.2207, 16.2852, 5.2940

Background



This preview shows how black text looks on a background with the XYZ color 10.2207, 16.2852, 5.2940.



This preview shows how white text looks on a background with the XYZ color 10.2207, 16.2852,

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

10.2207, 16.2852, 5.2940

Protanopia

14.6877, 16.1227, 4.6234

Deuteranopia

16.2779, 15.9684, 5.5924



Tritanopia

13.7025, 16.2385, 22.4908

Trichromacy



Original Color

10.2207, 16.2852, 5.2940

Protanomaly

12.5248, 15.8475, 4.7816

Deuteranomaly

13.1848, 15.4940, 5.4277

Tritanomaly

12.0225, 16.0931, 14.0279

Monochromacy



Original Color

10.2207, 16.2852, 5.2940

Achromatopsia

11.8596, 12.4772, 13.5877

Achromatomaly

10.8471, 13.5427, 9.6317

CSS Examples

Text

The CSS property to change the color of the text to XYZ 10.2207, 16.2852, 5.2940 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(66, 126, 47)` looks like.

```
.text, #text, p{  
    color:rgb(66, 126, 47)  
}
```

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(66, 126, 47) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(66, 126, 47) }
```

Border

The CSS property to change the border of an element to XYZ 10.2207, 16.2852, 5.2940 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(66, 126, 47) }
```


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

```
.border{ border-color:rgb(66, 126, 47) }
```

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

Here you see how a box with a 4 pixel `rgb(66, 126, 47)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(66, 126, 47); -webkit-box-  
shadow:4px 4px 4px 4px rgb(66, 126, 47);  
box-shadow:4px 4px 4px 4px rgb(66, 126,  
47) }
```

Background

The CSS property to change the background color of an element to XYZ 10.2207, 16.2852, 5.2940 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(66, 126, 47) }
```

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

```
.background{ background-color: rgb(66, 126,  
47) }
```

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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