

Converting Colors

XYZ(12.3581, 18.4542, 9.2404)

Have a look what the booklet for
XYZ(12.3581, 18.4542, 9.2404)
contains.

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Color

**XYZ(12.3555, 18.4794,
9.2190)**

Conversions

Conversions Part 1

Format	Color
Hex	4B8449
RGB	75, 132, 73
RGB Percent	29%, 52%, 29%
CMY	0.7059, 0.4823, 0.7137
CMYK	0.43, 0.00, 0.45, 0.48
HSL	118°, 29%, 40%
HSV	118°, 45%, 52%
XYZ	12.3555, 18.4794, 9.2190
YIQ	108.2310, -15.0330, -30.4330

Conversions

Conversions Part 2

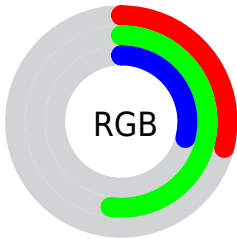
Format	Color
R_{YB}	73, 132, 130
Decimal	4949065
CIE _{Lab}	50.07, -31.51, 26.10
CIE _{LCh}	50, 40.913, 140.369
Y _{xy}	18.4794, 0.3085, 0.4614
Android (android.graphics.Color)	4283139145 (0xFF4B8449)
YUV	108.2310, -17.3689, -29.1436
Hunter-Lab	42.9877, -23.9240, 17.3762

Details

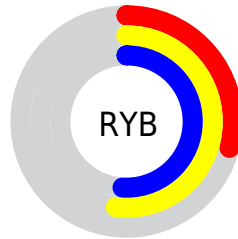
The XYZ color **12.3555, 18.4794, 9.2190** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **15.7542, 11.1774, 23.1579**, and the grayscale version is **14.3694, 15.1177, 16.4632**.

A 20% lighter version of the original color is **29.8865, 41.0599, 25.0891**, and **3.5685, 6.2959, 2.0641** is the 20% darker color. If you saturate the color by 10%, you get **11.0641, 17.8595, 7.1116**, and if you desaturate by 10%, it is **13.9407, 19.2411, 11.8259**.

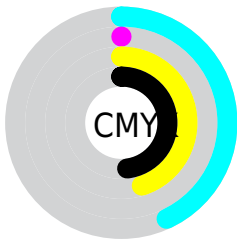
Distribution



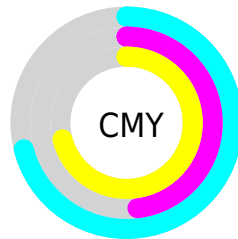
- Red (29%)
- Green (52%)
- Blue (29%)



- Red (29%)
- Yellow (52%)
- Blue (51%)



- Cyan (43%)
- Magenta (0%)
- Yellow (45%)
- Black (48%)





- Cyan (71%)
- Magenta (48%)
- Yellow (71%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 12.3555, 18.4794, 9.2190 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 12.3555, 18.4794, 9.2190 by changing the saturation by 10% instead.


 12.3555, 18.4794,
9.2190


 12.3555, 18.4794,
9.2190


200.4670,
243.5595, 195.2811

 7.0602, 11.2947,
4.7855

 29.7522, 40.8525,
24.9002


 3.5464, 6.2654,
2.0655


 42.5843, 56.8098,
36.9850


 1.4489, 3.0071,
0.5951

 58.6594, 76.4600,
52.4574

 0.2907, 1.1355,
0.0000

 78.3428, 100.1876,
71.7358

 0.0000, 0.0080,
0.0000

 102.0000,
128.3769, 95.2389

 0.0000, 0.0000,
0.0000

129.9961,

161.4124, 123.3851

162.6967,
199.6785, 156.5930

■ 12.3555, 18.4794,
9.2190

■ 12.3555, 18.4794,
9.2190

■ 11.0641, 17.8595,
7.1116

■ 13.9407, 19.2411,
11.8259

■ 10.0473, 17.3706,
5.4706

■ 15.8348, 20.1501,
14.9602

■ 9.2855, 17.0039,
4.2611


■ 18.0534, 21.2145,
18.6490


■ 8.7561, 16.7485,
3.4425


■ 20.6108, 22.4411,
22.9172


■ 8.4311, 16.5913,
2.9591


■ 23.5204, 23.8362,
27.7884

 8.3076, 16.5321,
2.7532

 26.7948, 25.4060,
33.2847

 30.4460, 27.1560,
39.4271

 34.4854, 29.0919,
46.2357

 38.9241, 31.2189,
53.7297

Harmonies

Analogous

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



15.0590, 18.4794, 5.8723



12.3555, 18.4794, 9.2190



11.1083, 18.4794, 16.7075

Triad

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



12.3555, 18.4794, 9.2190



16.3279, 18.4794, 49.9550



25.6590, 18.4794, 13.4793

Complementary

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



12.3555, 18.4794, 9.2190



15.7542, 11.1774, 23.1579

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.



26.1339, 18.4794, 23.9702



12.3555, 18.4794, 9.2190



20.3327, 18.4794, 48.0545

Square

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



12.3555, 18.4794, 9.2190



13.1648, 18.4794, 41.8611



24.0627, 18.4794, 37.3580



22.8482, 18.4794, 7.6171

Rectangle

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



12.3555, 18.4794, 9.2190



11.1208, 18.4794, 24.2804



24.0627, 18.4794, 37.3580



26.1118, 18.4794, 16.4659

Sweetspot

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



12.3560, 18.4802, 9.2194



32.3967, 37.6541, 33.8436



18.5760, 21.1012, 9.3975



7.3511, 8.6748, 7.5604



64.0503, 67.3860, 73.3833



8.9945, 9.4630, 10.3052

Same Dimension

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



12.3560, 18.4802, 9.2194



19.3861, 31.4089, 12.3601



13.2780, 18.8312, 14.8782



4.6298, 5.2117, 4.9913



8.0444, 16.0070, 2.6657



0.0288, 0.0559, 0.0093

Inverse Universe

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



15.7542, 11.1774, 23.1579



26.1928, 16.7623, 40.3081



14.4719, 10.7003, 14.7894



4.8427, 4.7550, 5.8633



12.5844, 6.0217, 21.6357



0.0448, 0.0215, 0.0750

Previews

White Background



This preview shows how the XYZ color 12.3555, 18.4794, 9.2190 looks on a white background.

Color Contrast Check

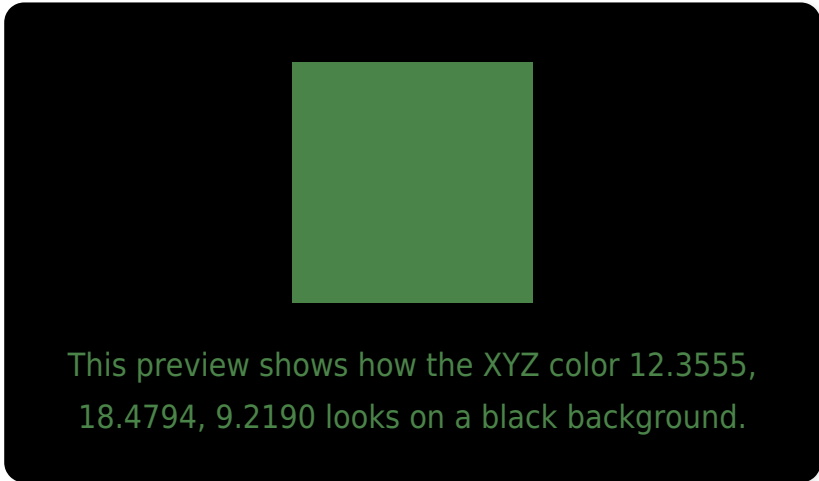
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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 × Fail

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

XYZ 12.3555, 18.4794, 9.2190

Background



This preview shows how black text looks on a background with the XYZ color 12.3555, 18.4794, 9.2190.



This preview shows how white text looks on a background with the XYZ color 12.3555, 18.4794,

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

12.3555, 18.4794, 9.2190

Protanopia

16.8461, 18.3568, 8.1242

Deuteranopia

18.4000, 18.0969, 9.5444



Tritanopia

15.6373, 18.4427, 25.6573

Trichromacy



Original Color

12.3555, 18.4794, 9.2190

Protanomaly

14.7436, 18.1725, 8.5249

Deuteranomaly

15.4922, 17.8063, 9.4579

Tritanomaly

14.2111, 18.4472, 18.1409

Monochromacy



Original Color

12.3555, 18.4794, 9.2190

Achromatopsia

14.2537, 14.9960, 16.3306

Achromatomaly

13.2507, 16.0356, 13.2233

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.3555, 18.4794, 9.2190 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(75, 132, 73)` looks like.

```
.text, #text, p{  
    color:rgb(75, 132, 73)  
}
```

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(75, 132, 73) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(75, 132, 73) }
```

Border

The CSS property to change the border of an element to XYZ 12.3555, 18.4794, 9.2190 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(75, 132, 73) }
```


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

```
.border{ border-color:rgb(75, 132, 73) }
```

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

Here you see how a box with a 4 pixel `rgb(75, 132, 73)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(75, 132, 73); -webkit-box-  
shadow:4px 4px 4px 4px rgb(75, 132, 73);  
box-shadow:4px 4px 4px 4px rgb(75, 132,  
73) }
```

Background

The CSS property to change the background color of an element to XYZ 12.3555, 18.4794, 9.2190 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(75, 132, 73) }
```

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

```
.background{ background-color: rgb(75, 132,  
73) }
```

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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