

Converting Colors

XYZ(12.4152, 19.2383, 4.3896)

Have a look what the booklet for
XYZ(12.4152, 19.2383, 4.3896)
contains.

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Color

**XYZ(12.3910, 19.2207,
4.3532)**

Conversions

Conversions Part 1

Format	Color
Hex	52871F
RGB	82, 135, 31
RGB Percent	32%, 53%, 12%
CMY	0.6784, 0.4706, 0.8784
CMYK	0.39, 0.00, 0.77, 0.47
HSL	91°, 63%, 33%
HSV	91°, 77%, 53%
XYZ	12.3910, 19.2207, 4.3532
YIQ	107.2970, 1.7960, -43.5800

Conversions

Conversions Part 2

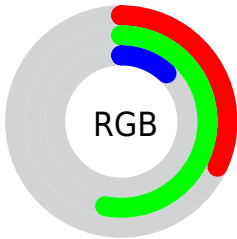
Format	Color
RYB	31, 135, 84
Decimal	5408543
CIELab	50.94, -35.03, 47.03
CIELCh	51, 58.642, 126.675
Yxy	19.2207, 0.3445, 0.5344
Android (android.graphics.Color)	4283598623 (0xFF52871F)
YUV	107.2970, -37.6144, -22.1855
Hunter-Lab	43.8414, -26.2726, 24.8018

Details

The XYZ color **12.3910, 19.2207, 4.3532** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **8.5202, 4.6146, 23.3644**, and the grayscale version is **14.1592, 14.8965, 16.2223**.

A 20% lighter version of the original color is **29.9123, 42.2540, 14.7629**, and **3.7274, 6.7439, 1.1052** is the 20% darker color. If you saturate the color by 10%, you get **11.6806, 18.8715, 3.5781**, and if you desaturate by 10%, it is **13.2369, 19.6323, 5.5246**.

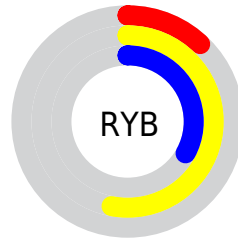
Distribution



Red (32%)

Green (53%)

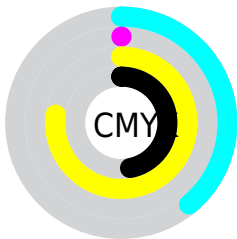
Blue (12%)



Red (12%)

Yellow (53%)

Blue (33%)

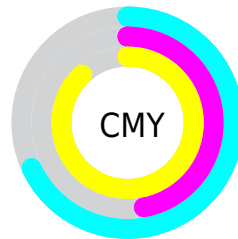


Cyan (39%)

Magenta (0%)

Yellow (77%)

Black (47%)



Cyan (68%)


Magenta (47%)


Yellow (88%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 12.3910, 19.2207, 4.3532 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 12.3910, 19.2207, 4.3532 by changing the saturation by 10% instead.

 12.3910, 19.2207,
4.3532


 12.3910, 19.2207,
4.3532


200.6944,
247.6645, 152.0738


 7.0846, 11.8299,
1.8210


 29.8160, 42.1067,
14.8165


 3.5619, 6.6279,
0.4418


 42.6653, 58.3706,
23.5847


 1.4574, 3.2305,
0.0000

 58.7597, 78.3611,
35.2687

 0.2966, 1.2532,
0.0000

 78.4644, 102.4624,
50.2869

 0.0000, 0.1046,
0.0000

 102.1449,
131.0590, 69.0580

 0.0000, 0.0000,
0.0000

 130.1665,

164.5353, 92.0005

162.8945,
203.2756, 119.5329

12.3910, 19.2207,
4.3532

12.3910, 19.2207,
4.3532

11.6806, 18.8715,
3.5781

13.2369, 19.6323,
5.5246

11.0870, 18.5751,
3.1160

14.2270, 20.1081,
7.1350

10.9246, 18.4939,
2.9939

15.3704, 20.6526,
9.2227

16.6753, 21.2691,
11.8218

18.1489, 21.9608,
14.9630

■ 19.7981, 22.7305,
18.6748

■ 21.6293, 23.5811,
22.9835

■ 23.6486, 24.5150,
27.9139

■ 25.8617, 25.5348,
33.4893

Harmonies

Analogous

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



17.0044, 19.2207, 2.5440



12.3910, 19.2207, 4.3532



9.8308, 19.2207, 10.6682

Triad

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



12.3910, 19.2207, 4.3532



14.2039, 19.2207, 66.0114



31.7147, 19.2207, 17.4350

Complementary

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



12.3910, 19.2207, 4.3532



8.5202, 4.6146, 23.3644

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.



30.5240, 19.2207, 36.2697



12.3910, 19.2207, 4.3532



19.5942, 19.2207, 71.2881

Square

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



12.3910, 19.2207, 4.3532



10.7124, 19.2207, 46.3468



25.7614, 19.2207, 58.3537



28.7372, 19.2207, 7.0725

Rectangle

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



12.3910, 19.2207, 4.3532



9.2527, 19.2207, 19.1318



25.7614, 19.2207, 58.3537



31.7967, 19.2207, 22.8334

Sweetspot

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



12.3914, 19.2215, 4.3536



33.5028, 39.7947, 29.0152



13.3330, 11.4371, 2.8014



7.5475, 9.1172, 6.2514



65.7814, 69.2071, 75.3665



9.5508, 10.0482, 10.9424

Same Dimension

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



12.3914, 19.2215, 4.3536



20.1554, 33.4138, 5.8054



9.4769, 17.7190, 4.2172



4.8176, 5.3085, 5.0001



10.0888, 17.0609, 2.7613



0.0433, 0.0634, 0.0100

Inverse Universe

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



8.5202, 4.6146, 23.3644



12.8741, 5.9668, 41.5215



14.8556, 7.8807, 23.6608



4.6439, 4.6525, 5.8540



6.2982, 2.7810, 21.3415



0.0302, 0.0140, 0.0743

Previews

White Background



This preview shows how the XYZ color 12.3910, 19.2207, 4.3532 looks on a white background.

Color Contrast Check

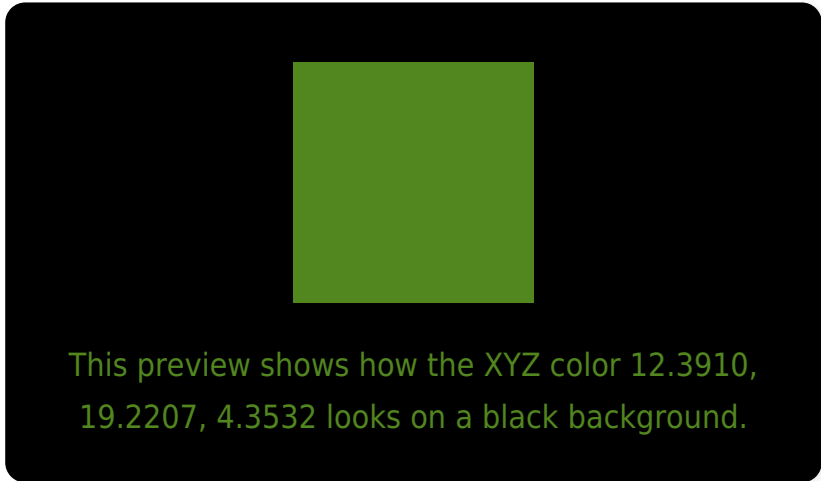
Large Text (above 18pt) WCAG AA ✓ Pass

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 12.3910, 19.2207, 4.3532

Background



This preview shows how black text looks on a background with the XYZ color 12.3910, 19.2207, 4.3532.



This preview shows how white text looks on a background with the XYZ color 12.3910, 19.2207,

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

12.3910, 19.2207, 4.3532

Protanopia

17.1885, 18.9881, 3.7960

Deuteranopia

19.2762, 18.9940, 4.6577



Tritanopia

16.8346, 19.2407, 26.1191

Trichromacy



Original Color

12.3910, 19.2207, 4.3532

Protanomaly

14.8729, 18.7186, 3.9278

Deuteranomaly

15.8976, 18.4883, 4.4810

Tritanomaly

14.4685, 18.8577, 14.4326

Monochromacy



Original Color

12.3910, 19.2207, 4.3532

Achromatopsia

13.9749, 14.7027, 16.0113

Achromatomaly

12.8096, 15.8838, 9.7879

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.3910, 19.2207, 4.3532 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(82, 135, 31)` looks like.

```
.text, #text, p{  
    color:rgb(82, 135, 31)  
}
```

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(82, 135, 31) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(82, 135, 31) }
```

Border

The CSS property to change the border of an element to XYZ 12.3910, 19.2207, 4.3532 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(82, 135, 31) }
```


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

```
.border{ border-color:rgb(82, 135, 31) }
```

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

Here you see how a box with a 4 pixel `rgb(82, 135, 31)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(82, 135, 31); -webkit-box-  
shadow:4px 4px 4px 4px rgb(82, 135, 31);  
box-shadow:4px 4px 4px 4px rgb(82, 135,  
31) }
```

Background

The CSS property to change the background color of an element to XYZ 12.3910, 19.2207, 4.3532 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(82, 135, 31) }
```

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

```
.background{ background-color: rgb(82, 135,  
31) }
```

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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