

Converting Colors

XYZ(12.2860, 18.9491, 4.8439)

Have a look what the booklet for
XYZ(12.2860, 18.9491, 4.8439)
contains.

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Color

**XYZ(12.2683, 18.9395,
4.8428)**

Conversions

Conversions Part 1

Format	Color
Hex	518626
RGB	81, 134, 38
RGB Percent	32%, 53%, 15%
CMY	0.6824, 0.4745, 0.8510
CMYK	0.40, 0.00, 0.72, 0.47
HSL	93°, 56%, 34%
HSV	93°, 72%, 53%
XYZ	12.2683, 18.9395, 4.8428
YIQ	107.2090, -0.7720, -41.0920

Conversions

Conversions Part 2

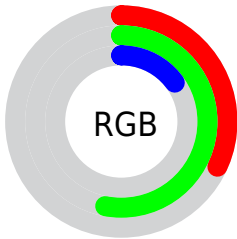
Format	Color
R_{YB}	38, 134, 91
Decimal	5342758
CIE _{Lab}	50.62, -34.45, 43.99
CIE _{LCh}	51, 55.878, 128.064
Yxy	18.9395, 0.3403, 0.5254
Android (android.graphics.Color)	4283532838 (0xFF518626)
YUV	107.2090, -34.1200, -22.9853
Hunter-Lab	43.5195, -25.8395, 23.8660

Details

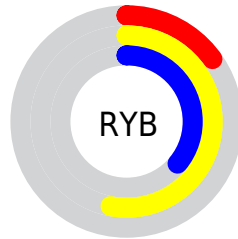
The XYZ color **12.2683, 18.9395, 4.8428** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **9.3115, 5.3322, 23.0938**, and the grayscale version is **14.1256, 14.8613, 16.1839**.

A 20% lighter version of the original color is **29.6179, 41.7560, 15.9499**, and **3.6223, 6.5737, 1.0779** is the 20% darker color. If you saturate the color by 10%, you get **11.4902, 18.5596, 3.8742**, and if you desaturate by 10%, it is **13.1943, 19.3878, 6.2256**.

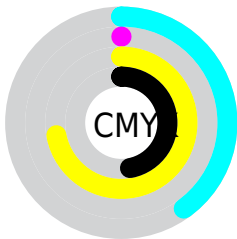
Distribution



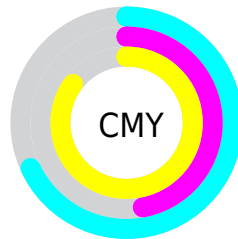
- Red (32%)
- Green (53%)
- Blue (15%)



- Red (15%)
- Yellow (53%)
- Blue (36%)



- Cyan (40%)
- Magenta (0%)
- Yellow (72%)
- Black (47%)



- Cyan (68%)
- Magenta (47%)
- Yellow (85%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.2683, 18.9395, 4.8428 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 12.2683, 18.9395, 4.8428 by changing the saturation by 10% instead.

■ 12.2683, 18.9395,
4.8428

■ 12.2683, 18.9395,
4.8428

199.9073,
246.1146, 157.1772

■ 7.0002, 11.6266,
2.0982

■ 29.5955, 41.6318,
15.9111

■ 3.5085, 6.4899,
0.6147

■ 42.3852, 57.7800,
25.0718

■ 1.4280, 3.1452,
0.0000

■ 58.4129, 77.6421,
37.2084

■ 0.2761, 1.2080,
0.0000

■ 78.0438, 101.6025,
52.7393

■ 0.0000, 0.0682,
0.0000

■ 101.6434,
130.0455, 72.0831

■ 0.0000, 0.0000,
0.0000

■ 129.5769,

163.3556, 95.6583

162.2098,
201.9172, 123.8835

■ 12.2683, 18.9395,
4.8428

■ 12.2683, 18.9395,
4.8428

■ 11.4902, 18.5596,
3.8742

■ 13.1943, 19.3878,
6.2256

■ 10.8476, 18.2410,
3.2719

■ 14.2765, 19.9062,
8.0611

■ 10.3901, 18.0122,
2.9291

■ 15.5240, 20.4992,
10.3847

■ 16.9446, 21.1701,
13.2280

■ 18.5458, 21.9221,
16.6198

■ 20.3343, 22.7582,
20.5870

■ 22.3168, 23.6811,
25.1547

■ 24.4992, 24.6935,
30.3464

■ 26.8875, 25.7980,
36.1843

Harmonies

Analogous

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



16.5671, 18.9395, 2.8713



12.2683, 18.9395, 4.8428



9.9068, 18.9395, 11.2977

Triad

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



12.2683, 18.9395, 4.8428



14.3539, 18.9395, 63.0358



30.5406, 18.9395, 16.6815

Complementary

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



12.2683, 18.9395, 4.8428



9.3115, 5.3322, 23.0938

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.



29.6156, 18.9395, 34.0333



12.2683, 18.9395, 4.8428



19.5162, 18.9395, 67.0824

Square

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



12.2683, 18.9395, 4.8428



10.9301, 18.9395, 45.3011



25.2894, 18.9395, 54.5550



27.6083, 18.9395, 7.0748

Rectangle

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



12.2683, 18.9395, 4.8428



9.4084, 18.9395, 19.6215



25.2894, 18.9395, 54.5550



30.6801, 18.9395, 21.6557

Sweetspot

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



12.2687, 18.9403, 4.8432



32.7274, 38.6476, 29.3965



13.9062, 12.6571, 3.5441



7.2196, 8.6350, 6.2910



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.



12.2687, 18.9403, 4.8432



19.5090, 32.3354, 6.0924



9.7574, 17.6361, 5.1565



4.7996, 5.2993, 4.9993



9.7486, 16.8855, 2.7454



0.0420, 0.0627, 0.0099

Inverse Universe

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



9.3115, 5.3322, 23.0938



13.9306, 6.7990, 40.3165



14.5012, 8.0454, 21.6283



4.6619, 4.6618, 5.8549



6.6904, 2.9832, 21.3599



0.0316, 0.0147, 0.0744

Previews

White Background



This preview shows how the XYZ color 12.2683, 18.9395, 4.8428 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



This preview shows how the XYZ color 12.2683, 18.9395, 4.8428 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 × Fail

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

XYZ 12.2683, 18.9395, 4.8428

Background



This preview shows how black text looks on a background with the XYZ color 12.2683, 18.9395, 4.8428.



This preview shows how white text looks on a background with the XYZ color 12.2683, 18.9395,

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

12.2683, 18.9395, 4.8428

Protanopia

16.9969, 18.6993, 4.2269

Deuteranopia

19.0686, 18.7081, 5.0886



Tritanopia

16.4261, 18.8494, 25.6942

Trichromacy



Original Color

12.2683, 18.9395, 4.8428

Protanomaly

14.7072, 18.4334, 4.3730

Deuteranomaly

15.7127, 18.2019, 4.8757

Tritanomaly

14.2359, 18.5321, 14.8833

Monochromacy



Original Color

12.2683, 18.9395, 4.8428

Achromatopsia

13.9749, 14.7027, 16.0113

Achromatomaly

12.9213, 15.9284, 10.3761

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.2683, 18.9395, 4.8428 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(81, 134, 38)` looks like.

```
.text, #text, p{  
    color:rgb(81, 134, 38)  
}
```

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(81, 134, 38) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(81, 134, 38) }
```

Border

The CSS property to change the border of an element to XYZ 12.2683, 18.9395, 4.8428 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(81, 134, 38) }
```


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

```
.border{ border-color:rgb(81, 134, 38) }
```

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

Here you see how a box with a 4 pixel `rgb(81, 134, 38)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(81, 134, 38); -webkit-box-  
shadow:4px 4px 4px 4px rgb(81, 134, 38);  
box-shadow:4px 4px 4px 4px rgb(81, 134,  
38) }
```

Background

The CSS property to change the background color of an element to XYZ 12.2683, 18.9395, 4.8428 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(81, 134, 38) }
```

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

```
.background{ background-color: rgb(81, 134,  
38) }
```

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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