

Converting Colors

XYZ(12.3247, 18.6424, 3.1548)

Have a look what the booklet for
XYZ(12.3247, 18.6424, 3.1548)
contains.

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Color

**XYZ(12.3141, 18.5926,
3.1407)**

Conversions

Conversions Part 1

Format	Color
Hex	588407
RGB	88, 132, 7
RGB Percent	35%, 52%, 3%
CMY	0.6549, 0.4823, 0.9725
CMYK	0.33, 0.00, 0.95, 0.48
HSL	81°, 90%, 27%
HSV	81°, 95%, 52%
XYZ	12.3141, 18.5926, 3.1407
YIQ	104.5940, 13.9010, -48.2030

Conversions

Conversions Part 2

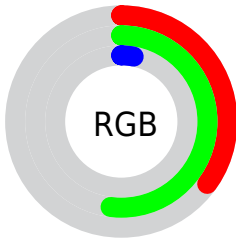
Format	Color
RYB	7, 132, 51
Decimal	5800967
CIELab	50.21, -32.37, 52.81
CIELCh	50, 61.946, 121.507
Yxy	18.5926, 0.3617, 0.5461
Android (android.graphics.Color)	4283991047 (0xFF588407)
YUV	104.5940, -48.1138, -14.5529
Hunter-Lab	43.1191, -24.4819, 25.8648

Details

The XYZ color **12.3141, 18.5926, 3.1407** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **5.6070, 2.5223, 22.0223**, and the grayscale version is **13.4413, 14.1413, 15.3999**.

A 20% lighter version of the original color is **29.5785, 40.8784, 11.9616**, and **3.7104, 6.3919, 1.0382** is the 20% darker color. If you saturate the color by 10%, you get **12.0465, 18.4597, 2.9282**, and if you desaturate by 10%, it is **12.8583, 18.8634, 3.6349**.

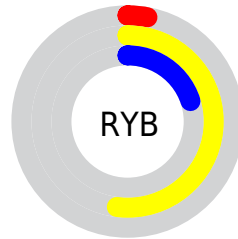
Distribution



Red (35%)

Green (52%)

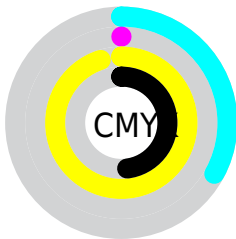
Blue (3%)



Red (3%)

Yellow (52%)

Blue (20%)

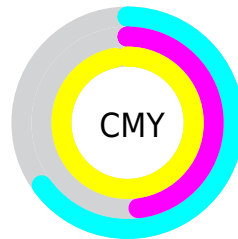


Cyan (33%)

Magenta (0%)

Yellow (95%)

Black (48%)



Cyan (65%)

Magenta (48%)

Yellow (97%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.3141, 18.5926, 3.1407 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 12.3141, 18.5926, 3.1407 by changing the saturation by 10% instead.

■ 12.3141, 18.5926,
3.1407

■ 12.3141, 18.5926,
3.1407

200.2015,
244.1904, 138.1329

■ 7.0317, 11.3763,
1.1669

■ 29.6778, 41.0445,
11.9737

■ 3.5284, 6.3205,
0.0000

■ 42.4898, 57.0490,
19.6700

■ 1.4390, 3.0409,
0.0000

■ 58.5424, 76.7515,
30.1109

■ 0.2837, 1.1531,
0.0000

■ 78.2009, 100.5366,
43.7149


■ 0.0000, 0.0229,
0.0000


■ 101.8308,
128.7887, 60.9005


■ 0.0000, 0.0000,
0.0000


■ 129.7972,


161.8920, 82.0864


 162.4657,
200.2311, 107.6910


 12.3141, 18.5926,
3.1407


 12.3141, 18.5926,
3.1407


 12.0465, 18.4597,
2.9282

 12.8583, 18.8634,
3.6349

 13.4931, 19.1730,
4.4587

 14.2297, 19.5268,
5.6673

 15.0762, 19.9279,
7.3005

 16.0398, 20.3793,
9.3933

■ 17.1267, 20.8836,
11.9769

■ 18.3428, 21.4431,
15.0797

■ 19.6937, 22.0601,
18.7283

■ 21.1843, 22.7367,
22.9470

Harmonies

Analogous

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



17.3708, 18.5926, 1.9387



12.3141, 18.5926, 3.1407



9.3645, 18.5926, 8.2406

Triad

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



12.3141, 18.5926, 3.1407



12.7307, 18.5926, 65.2211



31.8525, 18.5926, 19.3898

Complementary

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



12.3141, 18.5926, 3.1407



5.6070, 2.5223, 22.0223

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.



29.8379, 18.5926, 40.3883



12.3141, 18.5926, 3.1407



17.9761, 18.5926, 74.2953

Square

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



12.3141, 18.5926, 3.1407



9.5641, 18.5926, 42.8144



24.3938, 18.5926, 63.3488



29.4109, 18.5926, 7.4433

Rectangle

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



12.3141, 18.5926, 3.1407



8.5587, 18.5926, 15.7563



24.3938, 18.5926, 63.3488



31.6718, 18.5926, 25.5123

Sweetspot

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



12.3145, 18.5934, 3.1411



31.4386, 37.3704, 24.2991



10.7278, 7.2676, 1.0386



7.1342, 8.6153, 5.1869



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.



12.3145, 18.5934, 3.1411



21.0528, 32.4295, 5.1499



8.7099, 16.7352, 2.9724



4.8848, 5.3432, 5.0032



11.6693, 17.8757, 2.8353



0.0484, 0.0660, 0.0102

Inverse Universe

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



5.6070, 2.5223, 22.0223



9.2088, 3.8998, 38.7205



11.0839, 5.3458, 22.2786



4.5777, 4.6184, 5.8509



5.1496, 2.1889, 21.2878



0.0252, 0.0114, 0.0741

Previews

White Background



This preview shows how the XYZ color 12.3141, 18.5926, 3.1407 looks on a white background.

Color Contrast Check

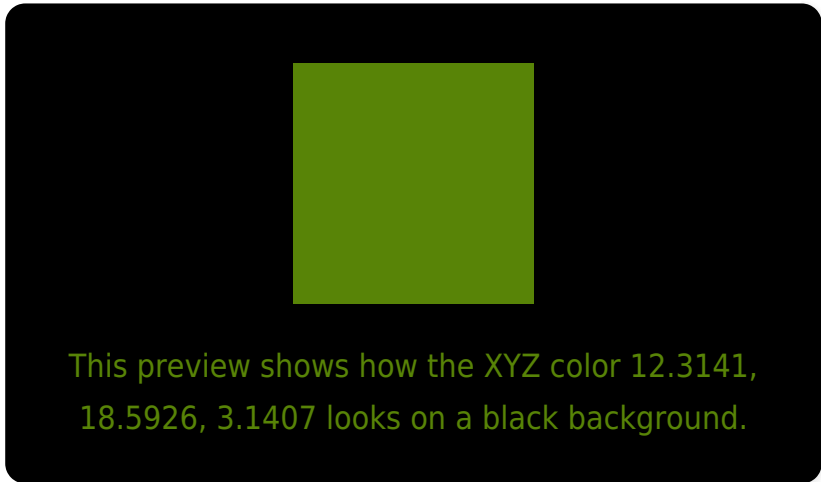
Large Text (above 18pt) WCAG AA ✓ Pass

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

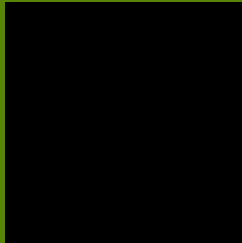
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 12.3141, 18.5926, 3.1407

Background



This preview shows how black text looks on a background with the XYZ color 12.3141, 18.5926, 3.1407.



This preview shows how white text looks on a background with the XYZ color 12.3141, 18.5926,

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

12.3141, 18.5926, 3.1407

Protanopia

16.4283, 18.2620, 2.6590

Deuteranopia

18.6693, 18.3689, 3.5389



Tritanopia

16.6834, 18.6261, 24.9062

Trichromacy



Original Color

12.3141, 18.5926, 3.1407

Protanomaly

14.5602, 18.2038, 2.8324

Deuteranomaly

15.5864, 17.9920, 3.2674

Tritanomaly

14.0050, 18.0966, 11.7717

Monochromacy



Original Color

12.3141, 18.5926, 3.1407

Achromatopsia

13.4271, 14.1263, 15.3836

Achromatomaly

12.3505, 15.3438, 7.9409

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.3141, 18.5926, 3.1407 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(88, 132, 7)` looks like.

```
.text, #text, p{  
    color:rgb(88, 132, 7)  
}
```

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(88, 132, 7) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(88, 132, 7) }
```

Border

The CSS property to change the border of an element to XYZ 12.3141, 18.5926, 3.1407 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(88, 132, 7) }
```


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

```
.border{ border-color:rgb(88, 132, 7) }
```

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

Here you see how a box with a 4 pixel `rgb(88, 132, 7)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(88, 132, 7); -webkit-box-  
shadow:4px 4px 4px 4px rgb(88, 132, 7);  
box-shadow:4px 4px 4px 4px rgb(88, 132, 7)  
}
```

Background

The CSS property to change the background color of an element to XYZ 12.3141, 18.5926, 3.1407 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(88, 132, 7) }
```

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

```
.background{ background-color: rgb(88, 132,  
7) }
```

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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