

Converting Colors

XYZ(11.8962, 18.6543, 7.1096)

Have a look what the booklet for
XYZ(11.8962, 18.6543, 7.1096)
contains.

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Color

**XYZ(11.9130, 18.7056,
7.1203)**

Conversions

Conversions Part 1

Format	Color
Hex	47863B
RGB	71, 134, 59
RGB Percent	28%, 53%, 23%
CMY	0.7216, 0.4745, 0.7686
CMYK	0.47, 0.00, 0.56, 0.47
HSL	110°, 39%, 38%
HSV	110°, 56%, 53%
XYZ	11.9130, 18.7056, 7.1203
YIQ	106.6130, -13.4730, -36.6810

Conversions

Conversions Part 2

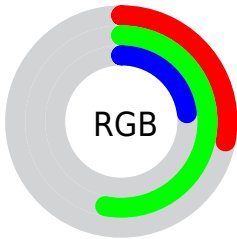
Format	Color
R_{YB}	59, 134, 122
Decimal	4687419
CIE _{Lab}	50.34, -35.73, 33.80
CIE _{LCh}	50, 49.185, 136.584
Y _{xy}	18.7056, 0.3157, 0.4957
Android (android.graphics.Color)	4282877499 (0xFF47863B)
YUV	106.6130, -23.4732, -31.2326
Hunter-Lab	43.2500, -26.5205, 20.5140

Details

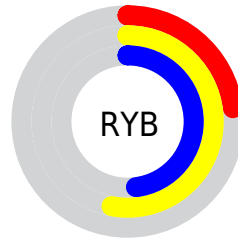
The XYZ color **11.9130, 18.7056, 7.1203** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **13.8942, 8.9874, 23.5578**, and the grayscale version is **13.9339, 14.6595, 15.9642**.

A 20% lighter version of the original color is **29.0022, 41.3342, 20.6371**, and **3.3911, 6.4481, 1.3530** is the 20% darker color. If you saturate the color by 10%, you get **10.8588, 18.1978, 5.4840**, and if you desaturate by 10%, it is **13.2104, 19.3295, 9.2346**.

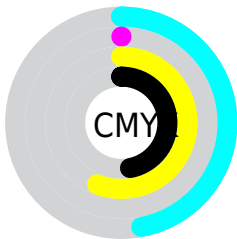
Distribution



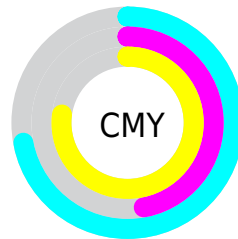
- Red (28%)
- Green (53%)
- Blue (23%)



- Red (23%)
- Yellow (53%)
- Blue (48%)



- Cyan (47%)
- Magenta (0%)
- Yellow (56%)
- Black (47%)



- Cyan (72%)
- Magenta (47%)
- Yellow (77%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 11.9130, 18.7056, 7.1203 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 11.9130, 18.7056, 7.1203 by changing the saturation by 10% instead.

■ 11.9130, 18.7056,
7.1203

■ 11.9130, 18.7056,
7.1203

197.6102,
244.8187, 178.3283

■ 6.7562, 11.4577,
3.4579

■ 28.9548, 41.2360,
20.7318

■ 3.3551, 6.3756,
1.3329

■ 41.5705, 57.2874,
31.5179

■ 1.3442, 3.0748,
0.0885

■ 57.4033, 77.0421,
45.5157

■ 0.2159, 1.1709,
0.0000

■ 76.8185, 100.8844,
63.1437

■ 0.0000, 0.0377,
0.0000

■ 100.1814,
129.1989, 84.8204

■ 0.0000, 0.0000,
0.0000

■ 127.8574,

162.3698, 110.9644

160.2119,
200.7816, 141.9941

■ 11.9130, 18.7056,
7.1203

■ 11.9130, 18.7056,
7.1203

■ 10.8588, 18.1978,
5.4840

■ 13.2104, 19.3295,
9.2346

■ 10.0309, 17.7967,
4.2873

■ 14.7636, 20.0738,
11.8589

■ 9.4126, 17.4949,
3.4880

■ 16.5860, 20.9451,
15.0239

■ 8.9804, 17.2821,
3.0176

■ 18.6898, 21.9492,
18.7574

■ 8.8441, 17.2153,
2.8567

■ 21.0863, 23.0913,
23.0855

■ 23.7861, 24.3764,
28.0325

■ 26.7994, 25.8092,
33.6214

■ 30.1359, 27.3943,
39.8740

■ 33.8049, 29.1360,
46.8112

Harmonies

Analogous

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



15.2870, 18.7056, 4.1380



11.9130, 18.7056, 7.1203



10.2650, 18.7056, 14.8591

Triad

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



11.9130, 18.7056, 7.1203



15.7344, 18.7056, 58.1052



28.1008, 18.7056, 13.7506

Complementary

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



11.9130, 18.7056, 7.1203



13.8942, 8.9874, 23.5578

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.



28.2794, 18.7056, 27.0917



11.9130, 18.7056, 7.1203



20.5283, 18.7056, 57.3521

Square

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



11.9130, 18.7056, 7.1203



12.1898, 18.7056, 46.0346



25.3105, 18.7056, 44.2879



24.8592, 18.7056, 6.6226

Rectangle

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



11.9130, 18.7056, 7.1203



10.1339, 18.7056, 23.5309



25.3105, 18.7056, 44.2879



28.5388, 18.7056, 17.5006

Sweetspot

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



11.9135, 18.7064, 7.1207



32.3768, 38.4075, 32.0613



17.5201, 19.1817, 6.9169



7.1518, 8.5849, 6.9691



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.



11.9135, 18.7064, 7.1207



18.7296, 31.8670, 9.0638



11.9296, 18.6210, 11.3534



4.6806, 5.2379, 4.9937



8.2944, 16.1359, 2.6774



0.0328, 0.0580, 0.0095

Inverse Universe

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



13.8942, 8.9874, 23.5578



22.5380, 12.9313, 41.0465



14.1565, 9.3009, 15.5179



4.7867, 4.7262, 5.8607



10.3697, 4.8800, 21.5321



0.0408, 0.0194, 0.0748

Previews

White Background



This preview shows how the XYZ color 11.9130, 18.7056, 7.1203 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 11.9130, 18.7056, 7.1203 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 11.9130, 18.7056, 7.1203

Background



This preview shows how black text looks on a background with the XYZ color 11.9130, 18.7056, 7.1203.



This preview shows how white text looks on a background with the XYZ color 11.9130, 18.7056,

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

11.9130, 18.7056, 7.1203

Protanopia

16.7784, 18.3655, 6.1506

Deuteranopia

18.8255, 18.5273, 7.5849



Tritanopia

15.7425, 18.6777, 26.0680

Trichromacy



Original Color

11.9130, 18.7056, 7.1203

Protanomaly

14.3519, 18.0158, 6.4624

Deuteranomaly

15.3423, 17.9556, 7.3598

Tritanomaly

13.9504, 18.5326, 17.0292

Monochromacy



Original Color

11.9130, 18.7056, 7.1203

Achromatopsia

13.9749, 14.7027, 16.0113

Achromatomaly

12.8228, 15.8404, 12.0545

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.9130, 18.7056, 7.1203 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(71, 134, 59)` looks like.

```
.text, #text, p{  
    color:rgb(71, 134, 59)  
}
```

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(71, 134, 59) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(71, 134, 59) }
```

Border

The CSS property to change the border of an element to XYZ 11.9130, 18.7056, 7.1203 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(71, 134, 59) }
```


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

```
.border{ border-color:rgb(71, 134, 59) }
```

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

Here you see how a box with a 4 pixel rgb(71, 134, 59) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(71, 134, 59); -webkit-box-  
shadow:4px 4px 4px 4px rgb(71, 134, 59);  
box-shadow:4px 4px 4px 4px rgb(71, 134,  
59) }
```

Background

The CSS property to change the background color of an element to XYZ 11.9130, 18.7056, 7.1203 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(71, 134, 59) }
```

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

```
.background{ background-color: rgb(71, 134,  
59) }
```

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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