

Converting Colors

XYZ(18.4841, 11.8953, 46.4543)

Have a look what the booklet for
XYZ(18.4841, 11.8953, 46.4543)
contains.

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Color

**XYZ(18.5127, 11.8891,
46.6665)**

Conversions

Conversions Part 1

Format	Color
Hex	7747B8
RGB	119, 71, 184
RGB Percent	47%, 28%, 72%
CMY	0.5333, 0.7216, 0.2784
CMYK	0.35, 0.61, 0.00, 0.28
HSL	265°, 44%, 50%
HSV	265°, 61%, 72%
XYZ	18.5127, 11.8891, 46.6665
YIQ	98.2340, -7.6650, 45.3190

Conversions

Conversions Part 2

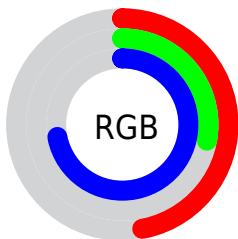
Format	Color
R_{YB}	119, 71, 184
Decimal	7817144
CIE _{Lab}	41.04, 43.97, -52.45
CIE _{LCh}	41, 68.443, 309.977
Yxy	11.8891, 0.2402, 0.1543
Android (android.graphics.Color)	4286007224 (0xFF7747B8)
YUV	98.2340, 42.2826, 18.2118
Hunter-Lab	34.4806, 35.4961, -56.1075

Details

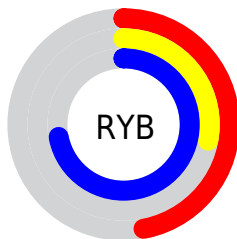
The XYZ color **18.5127, 11.8891, 46.6665** is a dark color, and the websafe version is hex **663399**. A complement of this color would be **28.4312, 39.9703, 12.1781**, and the grayscale version is **11.5675, 12.1699, 13.2530**.

A 20% lighter version of the original color is **40.5159, 29.3839, 86.7553**, and **6.4118, 3.2380, 21.4062** is the 20% darker color. If you saturate the color by 10%, you get **16.1422, 9.1852, 46.2698**, and if you desaturate by 10%, it is **21.4003, 15.3857, 47.1895**.

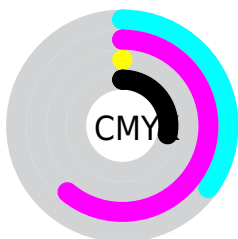
Distribution



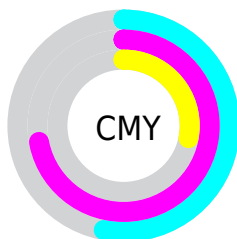
- Red (47%)
- Green (28%)
- Blue (72%)



- Red (47%)
- Yellow (28%)
- Blue (72%)



- Cyan (35%)
- Magenta (61%)
- Yellow (0%)
- Black (28%)



- Cyan (53%)
- Magenta (72%)
- Yellow (28%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.5127, 11.8891, 46.6665 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 18.5127, 11.8891, 46.6665 by changing the saturation by 10% instead.

■ 18.5127, 11.8891,
46.6665

■ 18.5127, 11.8891,
46.6665

236.7353,
203.6697, 389.8369

■ 11.4206, 6.6682,
32.4196

■ 40.4323, 29.2930,
86.5604

■ 6.4199, 3.2555,
21.4148

■ 55.9905, 42.2447,
113.0444

■ 3.1451, 1.2665,
13.2333

■ 75.1015, 58.5422,
144.4447

■ 1.2310, 0.1151,
7.4568

■ 98.1306, 78.5699,
181.1796

■ 0.1306, 0.0000,
3.6666

■ 125.4432,
102.7120, 223.6677

■ 0.0000, 0.0000,
1.4443

157.4046,

■ 0.0000, 0.0000,

131.3531, 272.3276

0.1759

194.3802,
164.8776, 327.5778

■ 0.0000, 0.0000,
0.0000

■ 18.5127, 11.8891,
46.6665

■ 18.5127, 11.8891,
46.6665

■ 16.1422, 9.1852,
46.2698

■ 21.4003, 15.3857,
47.1895

■ 14.2488, 7.2038,
45.9871

■ 24.8374, 19.7343,
47.8477

■ 12.7881, 5.8638,
45.8055

■ 28.8554, 24.9899,
48.6503

■ 11.8070, 5.0873,
45.7073

■ 33.4826, 31.2022,
49.6056

■ 38.7454, 38.4175,
50.7209

■ 44.6685, 46.6789,
52.0033

■ 51.2753, 56.0268,
53.4594

■ 58.5880, 66.4996,
55.0954

■ 66.6275, 78.1337,
56.9173

Harmonies

Analogous

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



13.0154, 11.8891, 61.9792



18.5127, 11.8891, 46.6665



22.6886, 11.8891, 24.5801

Triad

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



18.5127, 11.8891, 46.6665



14.8494, 11.8891, 0.4510



4.3210, 11.8891, 18.2152

Complementary

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



18.5127, 11.8891, 46.6665



28.4312, 39.9703, 12.1781

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.



4.5503, 11.8891, 5.7209



18.5127, 11.8891, 46.6665



9.7428, 11.8891, 0.2341

Square

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



18.5127, 11.8891, 46.6665



20.1846, 11.8891, 2.1875



6.2567, 11.8891, 1.3158



5.5014, 11.8891, 39.2320

Rectangle

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



18.5127, 11.8891, 46.6665



23.6087, 11.8891, 12.9561



6.2567, 11.8891, 1.3158



4.2462, 11.8891, 12.9343

Sweetspot

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



18.5132, 11.8895, 46.6668



63.5385, 60.4329, 90.5205



20.1844, 22.6683, 48.6592



13.1265, 12.2503, 19.3943



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

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



18.5132, 11.8895, 46.6668



27.8507, 15.1291, 83.6569



28.4910, 17.0333, 47.1337



8.8731, 8.9009, 11.3298



8.2146, 3.5460, 31.5046



0.3606, 0.1616, 1.1139

Inverse Universe

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



26.4645, 16.4746, 25.0774



44.3062, 24.6462, 37.7104



21.6216, 36.4598, 11.8594



9.2153, 9.0965, 10.4810



15.4465, 7.7524, 10.2380



0.5748, 0.2854, 0.5203

Previews

White Background



This preview shows how the XYZ color 18.5127, 11.8891, 46.6665 looks on a white 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

Black Background



This preview shows how the XYZ color 18.5127, 11.8891, 46.6665 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

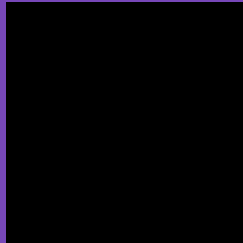
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 18.5127, 11.8891, 46.6665

Background



This preview shows how black text looks on a background with the XYZ color 18.5127, 11.8891, 46.6665.



This preview shows how white text looks on a background with the XYZ color 18.5127, 11.8891,

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

18.5127, 11.8891, 46.6665

Protanopia

14.2232, 11.9522, 55.5902

Deuteranopia

12.1018, 11.9797, 41.7189



Tritanopia

11.8805, 11.7895, 14.2198

Trichromacy



Original Color

18.5127, 11.8891, 46.6665



Protanomaly

13.9824, 10.9056, 52.4070



Deuteranomaly

12.6045, 10.8727, 43.5538



Tritanomaly

13.6770, 11.5097, 23.3305

Monochromacy



Original Color

18.5127, 11.8891, 46.6665



Achromatopsia

11.6093, 12.2139, 13.3009



Achromatomaly

13.3960, 11.6286, 22.3074

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.5127, 11.8891, 46.6665 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(119, 71, 184)` looks like.

```
.text, #text, p{  
    color:rgb(119, 71, 184)  
}
```

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(119, 71, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 71, 184) }
```

Border

The CSS property to change the border of an element to XYZ 18.5127, 11.8891, 46.6665 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(119, 71, 184) }
```


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

```
.border{ border-color:rgb(119, 71, 184) }
```

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

Here you see how a box with a 4 pixel `rgb(119, 71, 184)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 71, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 71, 184);  
box-shadow:4px 4px 4px 4px rgb(119, 71,  
184) }
```

Background

The CSS property to change the background color of an element to XYZ 18.5127, 11.8891, 46.6665 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 71, 184) }
```

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

```
.background{ background-color: rgb(119, 71,  
184) }
```

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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