

Converting Colors

XYZ(18.4884, 10.4601, 50.9137)

Have a look what the booklet for
XYZ(18.4884, 10.4601, 50.9137)
contains.

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Color

**XYZ(18.4884, 10.4601,
50.9137)**

Conversions

Conversions Part 1

Format	Color
Hex	7737C0
RGB	119, 55, 192
RGB Percent	47%, 22%, 75%
CMY	0.5333, 0.7843, 0.2471
CMYK	0.38, 0.71, 0.00, 0.25
HSL	268°, 55%, 48%
HSV	268°, 71%, 75%
XYZ	18.4884, 10.4601, 50.9137
YIQ	89.7540, -5.8330, 56.1750

Conversions

Conversions Part 2

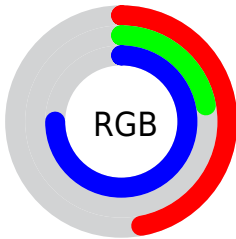
Format	Color
R_{YB}	119, 55, 192
Decimal	7813056
CIE _{Lab}	38.66, 54.12, -61.00
CIE _{LCh}	39, 81.548, 311.580
Yxy	10.4601, 0.2315, 0.1310
Android (android.graphics.Color)	4286003136 (0xFF7737C0)
YUV	89.7540, 50.4073, 25.6487
Hunter-Lab	32.3421, 45.4412, -70.6963

Details

The XYZ color **18.4884, 10.4601, 50.9137** is a dark color, and the websafe version is hex **6633CC**. The color can be described as dark muted purple. A complement of this color would be **28.4411, 42.5643, 10.3313**, and the grayscale version is **9.5556, 10.0532, 10.9479**.

A 20% lighter version of the original color is **40.2611, 26.5850, 92.6320**, and **6.4398, 2.7982, 23.8676** is the 20% darker color. If you saturate the color by 10%, you get **16.4181, 8.2924, 50.6046**, and if you desaturate by 10%, it is **21.0655, 13.4157, 51.3486**.

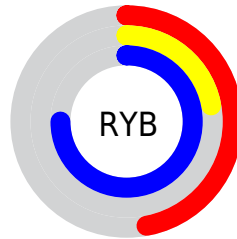
Distribution



Red (47%)

Green (22%)

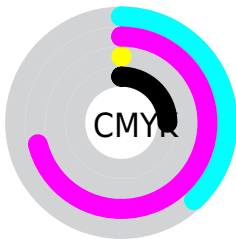
Blue (75%)



Red (47%)

Yellow (22%)

Blue (75%)

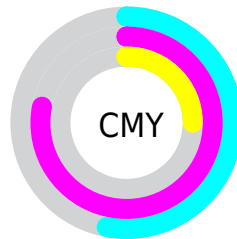


Cyan (38%)

Magenta (71%)

Yellow (0%)

Black (25%)



Cyan (53%)

Magenta (78%)

Yellow (25%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.4884, 10.4601, 50.9137 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 18.4884, 10.4601, 50.9137 by changing the saturation by 10% instead.

■ 18.4884, 10.4601,
50.9137

■ 18.4884, 10.4601,
50.9137

236.6024,
193.9251, 407.0654

■ 11.4030, 5.7051,
35.7637

■ 40.3914, 26.6574,
92.9374

■ 6.4079, 2.6666,
23.9635

■ 55.9397, 38.8684,
120.6481

■ 3.1376, 0.9603,
15.0946

■ 75.0397, 54.3336,
153.3829

■ 1.2270, 0.0000,
8.7384

■ 98.0567, 73.4373,
191.5602

■ 0.1275, 0.0000,
4.4765

■ 125.3562, 96.5639,
235.5985

■ 0.0000, 0.0000,
1.8902

■ 157.3034,

■ 0.0000, 0.0000,

124.0978, 285.9165

0.4865

194.2636,
156.4234, 342.9326

■ 0.0000, 0.0000,
0.0000

■ 18.4884, 10.4601,
50.9137

■ 18.4884, 10.4601,
50.9137

■ 16.4181, 8.2924,
50.6046

■ 21.0655, 13.4157,
51.3486

■ 14.8046, 6.8214,
50.4057

■ 24.1892, 17.2341,
51.9210

■ 13.7016, 5.9643,
50.2984

■ 27.8967, 21.9823,
52.6421

■ 32.2209, 27.7202,
53.5217

■ 37.1923, 34.5027,
54.5688

■ 42.8391, 42.3803,
55.7917

■ 49.1878, 51.4004,
57.1982

■ 56.2631, 61.6074,
58.7954

■ 64.0890, 73.0434,
60.5903

Harmonies

Analogous

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



12.1618, 10.4601, 71.8508



18.4884, 10.4601, 50.9137



23.3064, 10.4601, 23.5199

Triad

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



18.4884, 10.4601, 50.9137



13.5741, 10.4601, 0.0000



2.8700, 10.4601, 18.4152

Complementary

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



18.4884, 10.4601, 50.9137



28.4411, 42.5643, 10.3313

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.



3.0115, 10.4601, 4.3682



18.4884, 10.4601, 50.9137



8.0103, 10.4601, 0.0000

Square

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



18.4884, 10.4601, 50.9137



19.8372, 10.4601, 0.8759



4.5437, 10.4601, 0.3949



4.0462, 10.4601, 44.4397

Rectangle

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



18.4884, 10.4601, 50.9137



24.2452, 10.4601, 10.5934



4.5437, 10.4601, 0.3949



2.7808, 10.4601, 12.2240

Sweetspot

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



18.4889, 10.4604, 50.9140



67.4068, 62.5396, 98.8789



18.8180, 20.0739, 52.7522



13.8973, 12.6411, 21.0928



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

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



18.4889, 10.4604, 50.9140



27.8945, 13.2803, 91.4534



31.4805, 17.1578, 51.5220



9.9656, 9.9734, 12.6846



9.3079, 4.0588, 33.8495



0.4816, 0.2163, 1.4663

Inverse Universe

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



27.0007, 15.4974, 21.9895



45.4538, 23.6926, 30.8200



21.3768, 38.9225, 10.0007



10.2925, 10.1656, 11.6306



16.2911, 8.2062, 9.4448



0.7385, 0.3684, 0.5901

Previews

White Background



This preview shows how the XYZ color 18.4884, 10.4601, 50.9137 looks on a white background.

Color Contrast Check

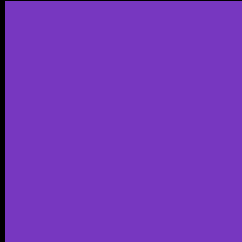
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.4884, 10.4601, 50.9137 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

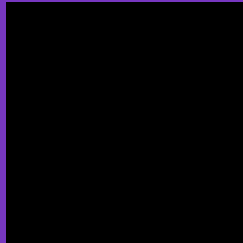
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 18.4884, 10.4601, 50.9137

Background



This preview shows how black text looks on a background with the XYZ color 18.4884, 10.4601, 50.9137.



This preview shows how white text looks on a background with the XYZ color 18.4884, 10.4601,

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

18.4884, 10.4601, 50.9137

Protanopia

12.3526, 10.5246, 47.8348

Deuteranopia

10.4359, 10.4373, 35.6470



Tritanopia

10.7009, 10.4583, 12.2811

Trichromacy



Original Color

18.4884, 10.4601, 50.9137

Protanomaly

12.6578, 9.3133, 48.7075

Deuteranomaly

11.3351, 9.1227, 40.6986

Tritanomaly

12.5576, 9.8448, 22.3575

Monochromacy



Original Color

18.4884, 10.4601, 50.9137

Achromatopsia

9.7181, 10.2242, 11.1341

Achromatomaly

11.8515, 9.6068, 21.3083

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.4884, 10.4601, 50.9137 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, 55, 192)` looks like.

```
.text, #text, p{  
    color:rgb(119, 55, 192)  
}
```

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, 55, 192) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 55, 192) }
```

Border

The CSS property to change the border of an element to XYZ 18.4884, 10.4601, 50.9137 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, 55, 192) }
```


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

```
.border{ border-color:rgb(119, 55, 192) }
```

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

Here you see how a box with a 4 pixel rgb(119, 55, 192) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 55, 192); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 55, 192);  
box-shadow:4px 4px 4px 4px rgb(119, 55,  
192) }
```

Background

The CSS property to change the background color of an element to XYZ 18.4884, 10.4601, 50.9137 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 55, 192) }
```

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

```
.background{ background-color: rgb(119, 55,  
192) }
```

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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