

Converting Colors

XYZ(18.5775, 11.2510, 12.2504)

Have a look what the booklet for
XYZ(18.5775, 11.2510, 12.2504)
contains.

XYZ(18.4887, 11.1773, 12.2493)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(18.4887, 11.1773,
12.2493)**

Conversions

Conversions Part 1

Format	Color
Hex	A33560
RGB	163, 53, 96
RGB Percent	64%, 21%, 38%
CMY	0.3608, 0.7921, 0.6235
CMYK	0.00, 0.67, 0.41, 0.36
HSL	337°, 51%, 42%
HSV	337°, 67%, 64%
XYZ	18.4887, 11.1773, 12.2493
YIQ	90.7920, 51.7570, 36.6930

Conversions

Conversions Part 2

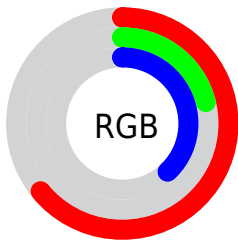
Format	Color
R_{YB}	163, 53, 96
Decimal	10696032
CIE _{Lab}	39.88, 48.86, -0.21
CIE _{LCh}	40, 48.856, 359.756
Yxy	11.1773, 0.4411, 0.2667
Android (android.graphics.Color)	4288886112 (0xFFA33560)
YUV	90.7920, 2.5675, 63.3264
Hunter-Lab	33.4325, 40.2066, 1.6795

Details

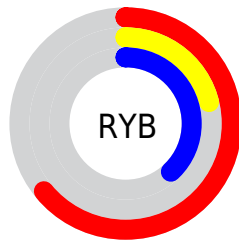
The XYZ color **18.4887, 11.1773, 12.2493** is a dark color, and the websafe version is hex **993366**. A complement of this color would be **17.9563, 28.3077, 22.2889**, and the grayscale version is **9.8835, 10.3982, 11.3236**.

A 20% lighter version of the original color is **40.2648, 27.9629, 30.4693**, and **6.6391, 3.3561, 3.3155** is the 20% darker color. If you saturate the color by 10%, you get **17.4393, 9.7645, 9.7848**, and if you desaturate by 10%, it is **19.8491, 13.1198, 15.1026**.

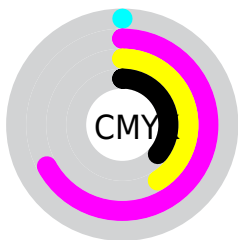
Distribution



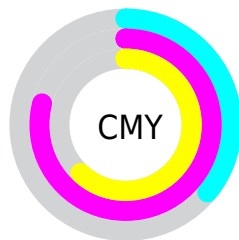
- Red (64%)
- Green (21%)
- Blue (38%)



- Red (64%)
- Yellow (21%)
- Blue (38%)



- Cyan (0%)
- Magenta (67%)
- Yellow (41%)
- Black (36%)




- Cyan (36%)
- Magenta (79%)
- Yellow (62%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 18.4887, 11.1773, 12.2493 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 18.4887, 11.1773, 12.2493 by changing the saturation by 10% instead.


 18.4887, 11.1773,
12.2493


 18.4887, 11.1773,
12.2493


236.6040,
198.8799, 217.0850


 11.4032, 6.1862,
6.7891


 40.3919, 27.9876,
30.6195


 6.4080, 2.9586,
3.2541


 55.9403, 40.5755,
44.3666


 3.1377, 1.1102,
1.2258

 75.0405, 56.4646,
61.7131

 1.2270, 0.0000,
0.0000

 98.0577, 76.0391,
83.0774

 0.1275, 0.0000,
0.0000

 125.3573, 99.6835,
108.8783

 0.0000, 0.0000,
0.0000

 157.3046,

127.7822, 139.5341

194.2651,
160.7195, 175.4635

■ 18.4887, 11.1773,
12.2493

■ 18.4887, 11.1773,
12.2493

■ 17.4393, 9.7645,
9.7848

■ 19.8491, 13.1198,
15.1026

■ 16.6711, 8.8251,
7.6883

■ 21.5449, 15.6372,
18.3624

■ 16.1385, 8.2716,
5.9334

■ 23.5986, 18.7718,
22.0461

■ 16.0215, 8.1534,
5.5370

■ 26.0308, 22.5617,
26.1695

■ 28.8602, 27.0415,
30.7476

■ 32.1044, 32.2435,
35.7947

■ 35.7799, 38.1981,
41.3243

■ 39.9020, 44.9337,
47.3494

■ 44.4856, 52.4774,
53.8825

Harmonies

Analogous

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



17.2446, 11.1773, 24.0811



18.4887, 11.1773, 12.2493



17.2827, 11.1773, 5.0997

Triad

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



18.4887, 11.1773, 12.2493



7.7273, 11.1773, 2.1343



7.6887, 11.1773, 36.1959

Complementary

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



18.4887, 11.1773, 12.2493



17.9563, 28.3077, 22.2889

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.



5.9415, 11.1773, 23.8662



18.4887, 11.1773, 12.2493



5.9602, 11.1773, 5.0236

Square

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



18.4887, 11.1773, 12.2493



10.6513, 11.1773, 1.4572



5.3815, 11.1773, 12.0914



10.5961, 11.1773, 41.6618

Rectangle

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



18.4887, 11.1773, 12.2493



15.3717, 11.1773, 2.8022



5.3815, 11.1773, 12.0914



6.9704, 11.1773, 32.4792

Sweetspot

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



18.4890, 11.1779, 12.2495



50.1468, 45.9797, 52.6115



15.4924, 9.1133, 35.5928



10.9549, 9.8389, 11.3197



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

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



18.4890, 11.1779, 12.2495



30.4822, 16.5434, 15.5583



17.5808, 11.7111, 4.7029



7.1831, 7.1297, 7.9504



12.4727, 6.3451, 4.4139



0.2849, 0.1424, 0.2128

Inverse Universe

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



18.4890, 11.1779, 12.2495



30.4822, 16.5434, 15.5583



19.3078, 25.8581, 38.6238



7.1831, 7.1297, 7.9504



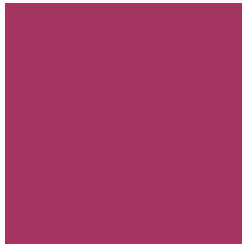
12.4727, 6.3451, 4.4139



0.2849, 0.1424, 0.2128

Previews

White Background



This preview shows how the XYZ color 18.4887, 11.1773, 12.2493 looks on a white background.

Color Contrast Check

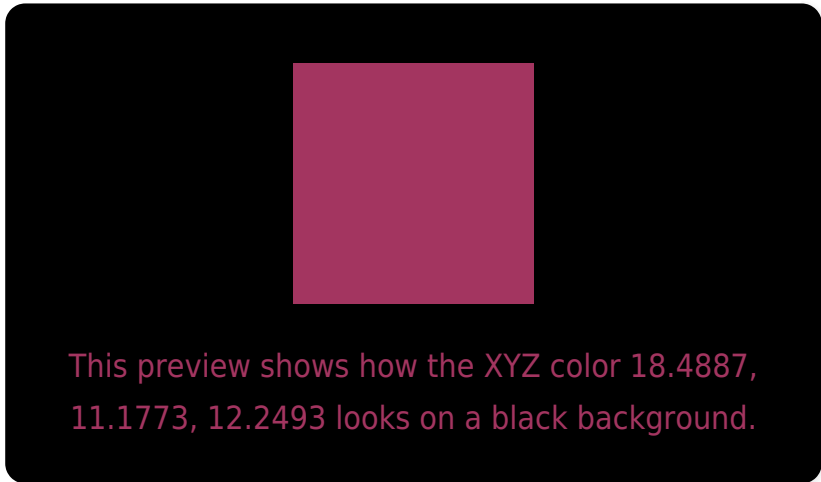
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

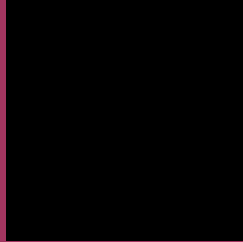
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 18.4887, 11.1773, 12.2493

Background



This preview shows how black text looks on a background with the XYZ color 18.4887, 11.1773, 12.2493.



This preview shows how white text looks on a background with the XYZ color 18.4887, 11.1773,

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

18.4887, 11.1773, 12.2493

Protanopia

11.4784, 11.4606, 19.6963

Deuteranopia

11.6593, 11.4738, 11.4977



Tritanopia

17.2392, 11.1789, 6.0996

Trichromacy



Original Color

18.4887, 11.1773, 12.2493

Protanomaly

12.7908, 10.4067, 16.6638

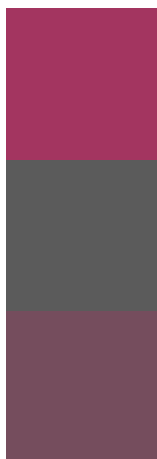
Deuteranomaly

13.4526, 10.7511, 11.7221

Tritanomaly

17.6679, 11.1294, 8.0545

Monochromacy



Original Color

18.4887, 11.1773, 12.2493

Achromatopsia

9.9438, 10.4616, 11.3927

Achromatomaly

11.9658, 9.8800, 11.6323

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.4887, 11.1773, 12.2493 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(163, 53, 96)` looks like.

```
.text, #text, p{  
    color:rgb(163, 53, 96)  
}
```

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(163, 53, 96) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 53, 96) }
```

Border

The CSS property to change the border of an element to XYZ 18.4887, 11.1773, 12.2493 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(163, 53, 96) }
```


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

```
.border{ border-color:rgb(163, 53, 96) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 53, 96)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 53, 96); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 53, 96);  
box-shadow:4px 4px 4px 4px rgb(163, 53,  
96) }
```

Background

The CSS property to change the background color of an element to XYZ 18.4887, 11.1773, 12.2493 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 53, 96) }
```

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

```
.background{ background-color: rgb(163, 53,  
96) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor