

Converting Colors

XYZ(16.7622, 18.1813, 3.3890)

Have a look what the booklet for
XYZ(16.7622, 18.1813, 3.3890)
contains.

XYZ(16.7766, 18.2490, 3.3973)	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(16.7766, 18.2490,
3.3973)**

Conversions

Conversions Part 1

Format	Color
Hex	887616
RGB	136, 118, 22
RGB Percent	53%, 46%, 9%
CMY	0.4667, 0.5372, 0.9137
CMYK	0.00, 0.13, 0.84, 0.47
HSL	51°, 72%, 31%
HSV	51°, 84%, 53%
XYZ	16.7766, 18.2490, 3.3973
YIQ	112.4380, 41.5440, -26.0400

Conversions

Conversions Part 2

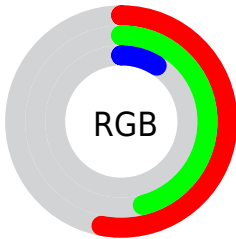
Format	Color
R_{YB}	43, 136, 22
Decimal	8943126
CIE _{Lab}	49.80, -3.13, 50.48
CIE _{LCh}	50, 50.576, 93.552
Yxy	18.2490, 0.4366, 0.4750
Android (android.graphics.Color)	4287133206 (0xFF887616)
YUV	112.4380, -44.5859, 20.6639
Hunter-Lab	42.7188, -4.6572, 25.1880

Details

The XYZ color **16.7766, 18.2490, 3.3973** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **5.5337, 3.4659, 23.6697**, and the grayscale version is **15.6492, 16.4642, 17.9295**.

A 20% lighter version of the original color is **37.4175, 40.4777, 12.6783**, and **5.7574, 6.2193, 0.8970** is the 20% darker color. If you saturate the color by 10%, you get **16.4282, 17.7104, 2.7940**, and if you desaturate by 10%, it is **17.2003, 18.8284, 4.3653**.

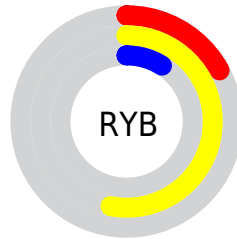
Distribution



Red (53%)

Green (46%)

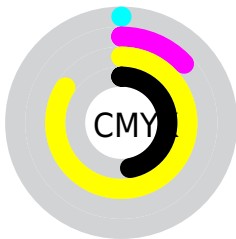
Blue (9%)



Red (17%)

Yellow (53%)

Blue (9%)

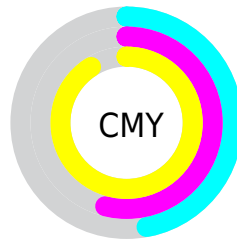


Cyan (0%)

Magenta (13%)

Yellow (84%)

Black (47%)



Cyan (47%)

Magenta (54%)

Yellow (91%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.7766, 18.2490, 3.3973 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 16.7766, 18.2490, 3.3973 by changing the saturation by 10% instead.

■ 16.7766, 18.2490,
3.3973

■ 16.7766, 18.2490,
3.3973

227.0631,
242.2708, 141.2703

■ 10.1697, 11.1289,
1.3009

■ 37.4879, 40.4612,
12.5940

■ 5.5747, 6.1536,
0.0625

■ 52.3230, 56.3220,
20.5314

■ 2.6264, 2.9387,
0.0000

■ 70.6316, 75.8652,
31.2529

■ 0.9594, 1.0998,
0.0000

■ 92.7789, 99.4752,
45.1769

■ 0.0000, 0.0000,
0.0000

■ 119.1303,
127.5364, 62.7222

■ 150.0513,

160.4331, 84.3071

185.9071,
198.5498, 110.3503

16.7766, 18.2490,
3.3973

16.7766, 18.2490,
3.3973

16.4282, 17.7104,
2.7940

17.2003, 18.8284,
4.3653

16.2305, 17.3887,
2.5009

17.7081, 19.4500,
5.7494

18.3086, 20.1179,
7.5923

19.0087, 20.8351,
9.9313

19.8148, 21.6042,
12.7997

■ 20.7329, 22.4276,
16.2280

■ 21.7682, 23.3074,
20.2444

■ 22.9259, 24.2457,
24.8751

■ 24.2105, 25.2446,
30.1448

Harmonies

Analogous

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



21.8152, 18.2490, 4.3098



16.7766, 18.2490, 3.3973



12.7053, 18.2490, 4.9318

Triad

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



16.7766, 18.2490, 3.3973



10.7040, 18.2490, 38.4750



27.0507, 18.2490, 34.2128

Complementary

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



16.7766, 18.2490, 3.3973



5.5337, 3.4659, 23.6697

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.



22.9960, 18.2490, 51.2667



16.7766, 18.2490, 3.3973



13.5317, 18.2490, 54.4265

Square

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



16.7766, 18.2490, 3.3973



9.6340, 18.2490, 21.5623



17.9264, 18.2490, 59.9489



28.3532, 18.2490, 18.2688

Rectangle

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



16.7766, 18.2490, 3.3973



10.9002, 18.2490, 7.8940



17.9264, 18.2490, 59.9489



25.9316, 18.2490, 40.2101

Sweetspot

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



16.7770, 18.2499, 3.3977



36.2445, 39.2673, 27.4854



10.8406, 5.9684, 2.6789



8.2768, 8.9899, 5.9251



65.7814, 69.2071, 75.3665



9.5508, 10.0482, 10.9424

Same Dimension

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



16.7770, 18.2499, 3.3977



28.5103, 30.4584, 4.3764



13.9862, 20.2629, 3.9333



5.3650, 5.7128, 5.3723



15.3673, 16.4690, 2.3689



0.1105, 0.1261, 0.0185

Inverse Universe

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



5.5337, 3.4659, 23.6697



8.2415, 3.9526, 41.3769



6.5946, 3.3124, 23.5842



4.8343, 5.0116, 6.3184



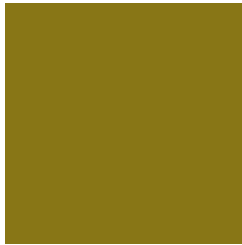
4.4730, 2.2163, 22.2377



0.0367, 0.0287, 0.1500

Previews

White Background



This preview shows how the XYZ color 16.7766, 18.2490, 3.3973 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 16.7766, 18.2490, 3.3973 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

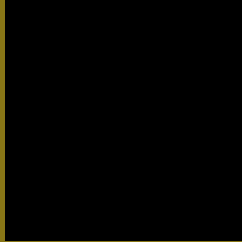
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 16.7766, 18.2490, 3.3973

Background



This preview shows how black text looks on a background with the XYZ color 16.7766, 18.2490, 3.3973.



This preview shows how white text looks on a background with the XYZ color 16.7766, 18.2490,

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

16.7766, 18.2490, 3.3973

Protanopia

16.5732, 18.3199, 3.4217

Deuteranopia

18.4750, 18.2700, 3.4724



Tritanopia

20.1736, 18.2995, 19.6084

Trichromacy



Original Color

16.7766, 18.2490, 3.3973

Protanomaly

16.7333, 18.4025, 3.4291

Deuteranomaly

17.7972, 18.2567, 3.4500

Tritanomaly

18.2817, 18.0102, 10.6964

Monochromacy



Original Color

16.7766, 18.2490, 3.3973

Achromatopsia

15.4009, 16.2029, 17.6450

Achromatomaly

15.3138, 16.6641, 9.8065

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.7766, 18.2490, 3.3973 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(136, 118, 22)` looks like.

```
.text, #text, p{  
    color:rgb(136, 118, 22)  
}
```

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(136, 118, 22) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 118, 22) }
```

Border

The CSS property to change the border of an element to XYZ 16.7766, 18.2490, 3.3973 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(136, 118, 22) }
```


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

```
.border{ border-color:rgb(136, 118, 22) }
```

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

Here you see how a box with a 4 pixel `rgb(136, 118, 22)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 118, 22); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 118, 22);  
box-shadow:4px 4px 4px 4px rgb(136, 118,  
22) }
```

Background

The CSS property to change the background color of an element to XYZ 16.7766, 18.2490, 3.3973 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 118, 22) }
```

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

```
.background{ background-color: rgb(136,  
118, 22) }
```

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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