

Converting Colors

XYZ(13.0639, 17.9229, 10.6740)

Have a look what the booklet for
XYZ(13.0639, 17.9229, 10.6740)
contains.

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Color

**XYZ(13.1726, 18.0738,
10.7770)**

Conversions

Conversions Part 1

Format	Color
Hex	578052
RGB	87, 128, 82
RGB Percent	34%, 50%, 32%
CMY	0.6588, 0.4980, 0.6784
CMYK	0.32, 0.00, 0.36, 0.50
HSL	113°, 22%, 41%
HSV	113°, 36%, 50%
XYZ	13.1726, 18.0738, 10.7770
YIQ	110.4970, -9.6700, -22.9980

Conversions

Conversions Part 2

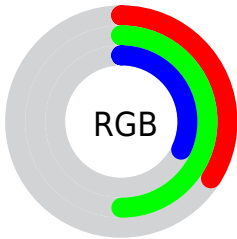
Format	Color
R_{YB}	82, 128, 123
Decimal	5734482
CIE _{Lab}	49.59, -23.95, 20.56
CIE _{LCh}	50, 31.564, 139.345
Yxy	18.0738, 0.3135, 0.4301
Android (android.graphics.Color)	4283924562 (0xFF578052)
YUV	110.4970, -14.0490, -20.6069
Hunter-Lab	42.5133, -19.0906, 14.7295

Details

The XYZ color **13.1726, 18.0738, 10.7770** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **15.0830, 11.8047, 21.9067**, and the grayscale version is **15.0056, 15.7870, 17.1921**.

A 20% lighter version of the original color is **31.1700, 40.1170, 27.9303**, and **3.8795, 6.0075, 2.6242** is the 20% darker color. If you saturate the color by 10%, you get **11.7480, 17.3911, 8.4007**, and if you desaturate by 10%, it is **14.8574, 18.8812, 13.6407**.

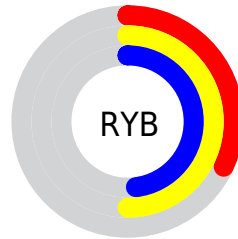
Distribution



Red (34%)

Green (50%)

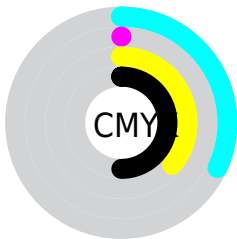
Blue (32%)



Red (32%)

Yellow (50%)

Blue (48%)

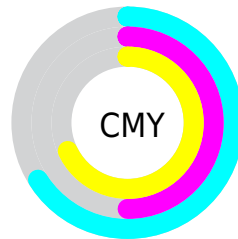


Cyan (32%)

Magenta (0%)

Yellow (36%)

Black (50%)



Cyan (66%)

Magenta (50%)

Yellow (68%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.1726, 18.0738, 10.7770 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 13.1726, 18.0738, 10.7770 by changing the saturation by 10% instead.

■ 13.1726, 18.0738,
10.7770

■ 13.1726, 18.0738,
10.7770

205.6362,
241.2867, 206.8134

■ 7.6253, 11.0030,
5.8048

■ 31.2122, 40.1630,
27.8774

■ 3.9059, 6.0688,
2.6599

■ 44.4352, 55.9503,
40.8426

■ 1.6491, 2.8870,
0.9231

■ 60.9476, 75.4117,
57.3094

■ 0.4241, 1.0730,
0.0000

■ 81.1146, 98.9318,
77.6960

■ 0.0000, 0.0000,
0.0000

■ 105.3016,
126.8950, 102.4212

133.8739,

159.6856, 131.9035

167.1970,
197.6880, 166.5614

■ 13.1726, 18.0738,
10.7770

■ 13.1726, 18.0738,
10.7770

■ 11.7480, 17.3911,
8.4007

■ 14.8574, 18.8812,
13.6407

■ 10.5693, 16.8246,
6.4834

■ 16.8131, 19.8168,
17.0155

■ 9.6229, 16.3687,
4.9960


■ 19.0514, 20.8864,
20.9250


■ 8.8932, 16.0159,
3.9052


■ 21.5830, 22.0953,
25.3911


■ 8.3628, 15.7581,
3.1731


■ 24.4180, 23.4481,
30.4343

 8.0078, 15.5844,
2.7354

 27.5659, 24.9494,
36.0743

 7.8992, 15.5318,
2.5816

 31.0361, 26.6034,
42.3296

 34.8372, 28.4144,
49.2181

 38.9778, 30.3864,
56.7569

Harmonies

Analogous

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



15.3422, 18.0738, 7.8660



13.1726, 18.0738, 10.7770



12.1215, 18.0738, 16.7868

Triad

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



13.1726, 18.0738, 10.7770



16.1365, 18.0738, 40.7234



23.1999, 18.0738, 14.7097

Complementary

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



13.1726, 18.0738, 10.7770



15.0830, 11.8047, 21.9067

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.



23.4767, 18.0738, 22.8863



13.1726, 18.0738, 10.7770



19.1560, 18.0738, 39.6830

Square

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



13.1726, 18.0738, 10.7770



13.6958, 18.0738, 35.0156



21.9241, 18.0738, 32.4866



21.2068, 18.0738, 9.6379

Rectangle

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



13.1726, 18.0738, 10.7770



12.1034, 18.0738, 22.4782



21.9241, 18.0738, 32.4866



23.5049, 18.0738, 17.1229

Sweetspot

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



13.1731, 18.0746, 10.7774



31.3836, 35.7410, 33.0618



17.4635, 19.2745, 10.7829



7.2464, 8.3195, 7.5639



62.3462, 65.5931, 71.4309



8.4577, 8.8982, 9.6901

Same Dimension

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



13.1731, 18.0746, 10.7774



21.1373, 30.8361, 15.5403



13.4820, 18.1461, 14.7563



4.3161, 4.8394, 4.6267



7.8329, 15.4004, 2.5597



0.0000, 0.0000, 0.0000

Inverse Universe

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



15.0830, 11.8047, 21.9067



25.0071, 18.1043, 38.1327



14.7546, 11.7581, 16.3493



4.4536, 4.3894, 5.4258



10.7570, 5.0992, 20.6672



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 13.1726, 18.0738, 10.7770 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 13.1726, 18.0738, 10.7770 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

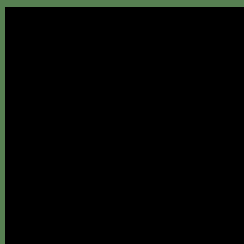
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 13.1726, 18.0738, 10.7770

Background



This preview shows how black text looks on a background with the XYZ color 13.1726, 18.0738, 10.7770.



This preview shows how white text looks on a background with the XYZ color 13.1726, 18.0738,

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

13.1726, 18.0738, 10.7770

Protanopia

16.4888, 17.7847, 9.7715

Deuteranopia

18.1923, 17.9551, 11.1012



Tritanopia

15.9483, 18.0718, 24.4774

Trichromacy



Original Color

13.1726, 18.0738, 10.7770

Protanomaly

14.9307, 17.6840, 10.0236

Deuteranomaly

15.8244, 17.5900, 10.9487

Tritanomaly

14.7591, 17.9574, 18.6078

Monochromacy



Original Color

13.1726, 18.0738, 10.7770

Achromatopsia

14.8208, 15.5926, 16.9804

Achromatomaly

14.1410, 16.4675, 14.4898

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.1726, 18.0738, 10.7770 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(87, 128, 82)` looks like.

```
.text, #text, p{  
    color:rgb(87, 128, 82)  
}
```

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(87, 128, 82) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 128, 82) }
```

Border

The CSS property to change the border of an element to XYZ 13.1726, 18.0738, 10.7770 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(87, 128, 82) }
```


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

```
.border{ border-color:rgb(87, 128, 82) }
```

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

Here you see how a box with a 4 pixel `rgb(87, 128, 82)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 128, 82); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 128, 82);  
box-shadow:4px 4px 4px 4px rgb(87, 128,  
82) }
```

Background

The CSS property to change the background color of an element to XYZ 13.1726, 18.0738, 10.7770 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 128, 82) }
```

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

```
.background{ background-color: rgb(87, 128,  
82) }
```

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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