

Converting Colors

XYZ(14.9270, 18.3650, 31.3938)

Have a look what the booklet for
XYZ(14.9270, 18.3650, 31.3938)
contains.

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Color

**XYZ(14.8777, 18.3093,
31.1837)**

Conversions

Conversions Part 1

Format	Color
Hex	3C7F95
RGB	60, 127, 149
RGB Percent	24%, 50%, 58%
CMY	0.7647, 0.5020, 0.4157
CMYK	0.60, 0.15, 0.00, 0.42
HSL	195°, 43%, 41%
HSV	195°, 60%, 58%
XYZ	14.8777, 18.3093, 31.1837
YIQ	109.4750, -46.9940, -7.3620

Conversions

Conversions Part 2

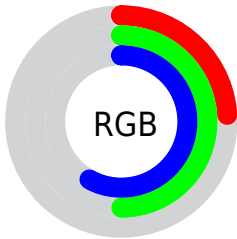
Format	Color
R _{YB}	60, 98, 149
Decimal	3964821
CIE Lab	49.87, -14.45, -18.26
CIE LCh	50, 23.291, 231.643
Yxy	18.3093, 0.2311, 0.2844
Android (android.graphics.Color)	4282154901 (0xFF3C7F95)
YUV	109.4750, 19.4858, -43.3896
Hunter-Lab	42.7894, -12.8176, -13.2563

Details

The XYZ color **14.8777, 18.3093, 31.1837** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **16.2280, 12.7512, 5.8817**, and the grayscale version is **14.6273, 15.3891, 16.7587**.

A 20% lighter version of the original color is **34.1710, 40.5992, 62.5353**, and **4.9290, 6.3306, 12.5174** is the 20% darker color. If you saturate the color by 10%, you get **13.6343, 16.9753, 30.9921**, and if you desaturate by 10%, it is **16.3932, 19.8101, 31.3938**.

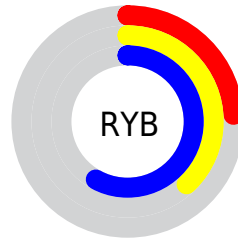
Distribution



Red (24%)

Green (50%)

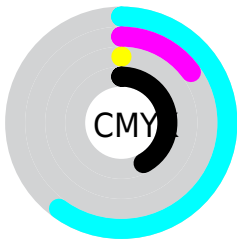
Blue (58%)



Red (24%)

Yellow (38%)

Blue (58%)

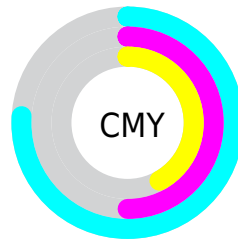


Cyan (60%)

Magenta (15%)

Yellow (0%)

Black (42%)



Cyan (76%)

Magenta (50%)

Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 14.8777, 18.3093, 31.1837 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 14.8777, 18.3093, 31.1837 by changing the saturation by 10% instead.

■ 14.8777, 18.3093,
31.1837

■ 14.8777, 18.3093,
31.1837

216.0279,
242.6087, 321.7611

■ 8.8194, 11.1723,
20.4791

■ 34.2119, 40.5637,
62.6121

■ 4.6797, 6.1828,
12.5563

■ 48.2185, 56.4498,
84.1731

■ 2.0934, 2.9566,
6.9966

■ 65.6052, 76.0211,
110.1899

■ 0.6856, 1.1091,
3.3816

■ 86.7373, 99.6619,
141.0812

■ 0.0000, 0.0000,
1.2926

■ 111.9803,
127.7567, 177.2654

■ 0.0000, 0.0000,
0.0557

141.6995,

■ 0.0000, 0.0000,

160.6898, 219.1611

0.0000

176.2602,
198.8457, 267.1868

■ 14.8777, 18.3093,
31.1837

■ 14.8777, 18.3093,
31.1837

■ 13.6343, 16.9753,
30.9921

■ 16.3932, 19.8101,
31.3938

■ 12.6390, 15.7945,
30.8166

■ 18.1985, 21.4860,
31.6222

■ 11.8668, 14.7538,
30.6565

■ 20.3119, 23.3471,
31.8700

■ 11.2538, 13.8203,
30.5086

■ 22.7496, 25.4020,
32.1382

■ 11.2377, 13.7956,
30.5047

■ 25.5266, 27.6587,
32.4274

■ 28.6570, 30.1246,
32.7384

■ 32.1539, 32.8070,
33.0718

■ 36.0300, 35.7124,
33.4283

■ 40.2972, 38.8472,
33.8085

Harmonies

Analogous

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



13.7174, 18.3093, 24.8104



14.8777, 18.3093, 31.1837



16.7874, 18.3093, 34.7001

Triad

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



14.8777, 18.3093, 31.1837



21.9930, 18.3093, 21.7721



15.8702, 18.3093, 10.5700

Complementary

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



14.8777, 18.3093, 31.1837



16.2280, 12.7512, 5.8817

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.



18.0324, 18.3093, 10.0961



14.8777, 18.3093, 31.1837



21.6946, 18.3093, 15.7454

Square

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



14.8777, 18.3093, 31.1837



20.9815, 18.3093, 28.5571



20.1978, 18.3093, 11.7814



14.2554, 18.3093, 13.2518

Rectangle

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



14.8777, 18.3093, 31.1837



18.2812, 18.3093, 34.5237



20.1978, 18.3093, 11.7814



16.5523, 18.3093, 10.1739

Sweetspot

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



14.8783, 18.3100, 31.1841



41.3826, 46.0204, 57.6230



14.0880, 23.0466, 11.4456



8.8956, 9.9710, 12.7406



71.1368, 74.8414, 81.5023



11.3376, 11.9280, 12.9896

Same Dimension

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



14.8783, 18.3100, 31.1841



23.7018, 29.5798, 55.3815



10.4387, 9.4308, 29.7043



5.8440, 6.3219, 7.3820



9.4820, 11.6589, 25.6817



0.1392, 0.1890, 0.3221

Inverse Universe

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



17.8416, 11.1543, 21.2919



29.8131, 16.6198, 34.5776



20.5780, 21.4513, 7.3317



5.9747, 5.8849, 6.9728



12.9132, 6.3703, 13.5557



0.1697, 0.0826, 0.2275

Previews

White Background



This preview shows how the XYZ color 14.8777, 18.3093, 31.1837 looks on a white background.

Color Contrast Check

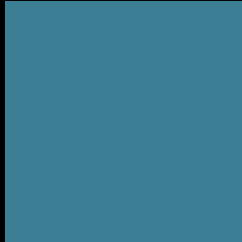
Large Text (above 18pt) WCAG AA ✓ Pass

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 14.8777, 18.3093, 31.1837 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

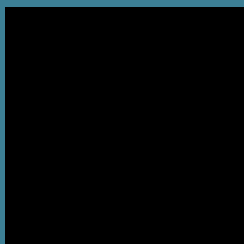
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

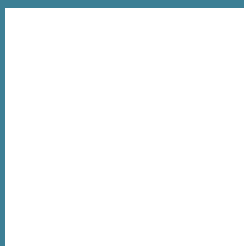
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 14.8777, 18.3093, 31.1837

Background



This preview shows how black text looks on a background with the XYZ color 14.8777, 18.3093, 31.1837.

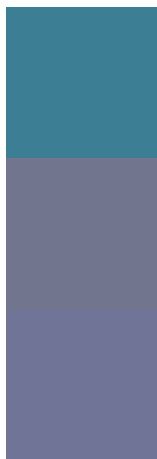


This preview shows how white text looks on a background with the XYZ color 14.8777, 18.3093,

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

14.8777, 18.3093, 31.1837

Protanopia

18.0538, 18.1863, 28.1500

Deuteranopia

18.5134, 18.1699, 31.8095



Tritanopia

14.1413, 18.4053, 27.2334

Trichromacy



Original Color

14.8777, 18.3093, 31.1837

Protanomaly

16.5643, 18.0988, 29.4084

Deuteranomaly

16.7357, 17.9621, 31.4391

Tritanomaly

14.3644, 18.2914, 28.7601

Monochromacy



Original Color

14.8777, 18.3093, 31.1837

Achromatopsia

14.5356, 15.2926, 16.6537

Achromatomaly

14.1979, 16.1702, 21.4416

CSS Examples

Text

The CSS property to change the color of the text to XYZ 14.8777, 18.3093, 31.1837 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(60, 127, 149)` looks like.

```
.text, #text, p{  
    color:rgb(60, 127, 149)  
}
```

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(60, 127, 149) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(60, 127, 149) }
```

Border

The CSS property to change the border of an element to XYZ 14.8777, 18.3093, 31.1837 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(60, 127, 149) }
```


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

```
.border{ border-color:rgb(60, 127, 149) }
```

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

Here you see how a box with a 4 pixel `rgb(60, 127, 149)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(60, 127, 149); -webkit-box-  
shadow:4px 4px 4px 4px rgb(60, 127, 149);  
box-shadow:4px 4px 4px 4px rgb(60, 127,  
149) }
```

Background

The CSS property to change the background color of an element to XYZ 14.8777, 18.3093, 31.1837 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(60, 127, 149) }
```

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

```
.background{ background-color: rgb(60, 127,  
149) }
```

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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