

Converting Colors

XYZ(23.9377, 31.8300, 18.8203)

Have a look what the booklet for
XYZ(23.9377, 31.8300, 18.8203)
contains.

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Color

**XYZ(23.8145, 31.6774,
18.7691)**

Conversions

Conversions Part 1

Format	Color
Hex	79A46B
RGB	121, 164, 107
RGB Percent	47%, 64%, 42%
CMY	0.5255, 0.3568, 0.5804
CMYK	0.26, 0.00, 0.35, 0.36
HSL	105°, 24%, 53%
HSV	105°, 35%, 64%
XYZ	23.8145, 31.6774, 18.7691
YIQ	144.6450, -7.3310, -26.8430

Conversions

Conversions Part 2

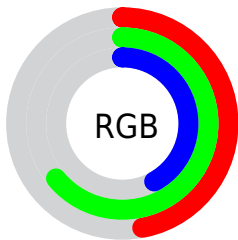
Format	Color
RYB	107, 164, 150
Decimal	7971947
CIELab	63.08, -25.63, 25.03
CIELCh	63, 35.823, 135.678
Yxy	31.6774, 0.3207, 0.4266
Android (android.graphics.Color)	4286162027 (0xFF79A46B)
YUV	144.6450, -18.5590, -20.7367
Hunter-Lab	56.2827, -22.9672, 19.6259

Details

The XYZ color **23.8145, 31.6774, 18.7691** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **24.5375, 19.6806, 37.6291**, and the grayscale version is **26.8453, 28.2434, 30.7570**.

A 20% lighter version of the original color is **49.0451, 62.1649, 42.2150**, and **9.1821, 13.2437, 6.2100** is the 20% darker color. If you saturate the color by 10%, you get **21.4083, 30.5283, 14.5718**, and if you desaturate by 10%, it is **26.6084, 33.0093, 23.8401**.

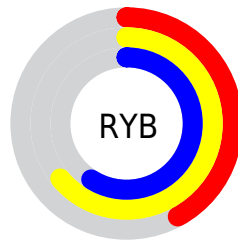
Distribution



Red (47%)

Green (64%)

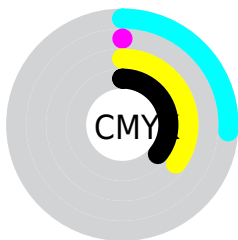
Blue (42%)



Red (42%)

Yellow (64%)

Blue (59%)

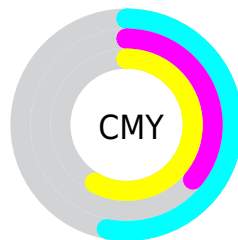


Cyan (26%)

Magenta (0%)

Yellow (35%)

Black (36%)



Cyan (53%)

Magenta (36%)

Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.8145, 31.6774, 18.7691 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 23.8145, 31.6774, 18.7691 by changing the saturation by 10% instead.

■ 23.8145, 31.6774,
18.7691

■ 23.8145, 31.6774,
18.7691

264.3392,
309.6471, 257.5512

■ 15.3201, 21.1152,
11.3284

■ 49.1842, 62.3050,
42.1751

■ 9.1321, 13.2082,
6.1713

■ 66.7902, 83.1392,
58.9774

■ 4.8852, 7.5721,
2.8790

■ 88.1641, 108.1662,
79.7374

■ 2.2142, 3.8224,
1.0332

■ 113.6712,
137.7704, 104.8737

■ 0.7502, 1.5747,
0.0000

143.6769,
172.3362, 134.8046

■ 0.0000, 0.3405,
0.0000

178.5466,

■ 0.0000, 0.0000,

212.2480, 169.9488

0.0000

218.6456,
257.8902, 210.7248

■ 23.8145, 31.6774,
18.7691

■ 23.8145, 31.6774,
18.7691

■ 21.4083, 30.5283,
14.5718

■ 26.6084, 33.0093,
23.8401

■ 19.3697, 29.5500,
11.1970

■ 29.8041, 34.5275,
29.8282

■ 17.6805, 28.7351,
8.5910


■ 33.4179, 36.2405,
36.7764


■ 16.3195, 28.0741,
6.6933


■ 37.4645, 38.1548,
44.7241


■ 15.2634, 27.5564,
5.4342


■ 41.9578, 40.2770,
53.7089

 14.4847, 27.1698,
4.7278

 46.9111, 42.6131,
63.7661

 14.1620, 27.0089,
4.4668

 52.3372, 45.1688,
74.9297

 58.2483, 47.9499,
87.2318

 64.6562, 50.9618,
100.7034

Harmonies

Analogous

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



27.6152, 31.6774, 14.3783



23.8145, 31.6774, 18.7691



21.8150, 31.6774, 28.1934

Triad

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



23.8145, 31.6774, 18.7691



27.8206, 31.6774, 68.1106



40.2047, 31.6774, 27.6535

Complementary

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



23.8145, 31.6774, 18.7691



24.5375, 19.6806, 37.6291

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.



40.2753, 31.6774, 41.6635



23.8145, 31.6774, 18.7691



32.7474, 31.6774, 67.8488

Square

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



23.8145, 31.6774, 18.7691



23.9507, 31.6774, 57.8282



37.4237, 31.6774, 57.1883



37.2403, 31.6774, 18.4674

Rectangle

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



23.8145, 31.6774, 18.7691



21.6152, 31.6774, 37.2518



37.4237, 31.6774, 57.1883



40.5777, 31.6774, 31.8706

Sweetspot

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



23.8153, 31.6788, 18.7698



56.9977, 64.0462, 59.6815



28.8315, 30.6884, 18.3143



12.2726, 13.9125, 12.6867



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.



23.8153, 31.6788, 18.7698



39.6632, 55.7970, 27.8266



22.8064, 31.0647, 22.9644



7.1410, 7.9752, 7.5431



10.8960, 20.7276, 3.4265



0.2688, 0.4561, 0.0739

Inverse Universe

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



24.5375, 19.6806, 37.6291



41.1654, 30.5600, 67.4814



26.0536, 20.6027, 31.3535



7.1936, 7.1142, 8.8971



11.5252, 5.3479, 27.3546



0.2809, 0.1323, 0.5766

Previews

White Background



This preview shows how the XYZ color 23.8145, 31.6774, 18.7691 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 23.8145, 31.6774, 18.7691 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

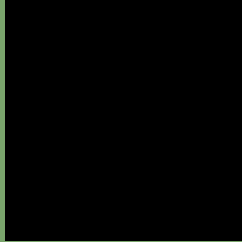
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 23.8145, 31.6774, 18.7691

Background



This preview shows how black text looks on a background with the XYZ color 23.8145, 31.6774, 18.7691.



This preview shows how white text looks on a background with the XYZ color 23.8145, 31.6774,

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

23.8145, 31.6774, 18.7691

Protanopia

29.1436, 31.4151, 17.0981

Deuteranopia

31.9705, 31.4088, 19.4164



Tritanopia

28.4100, 31.4668, 42.1125

Trichromacy



Original Color

23.8145, 31.6774, 18.7691

Protanomaly

26.7816, 31.1660, 17.7008

Deuteranomaly

28.5038, 31.2792, 19.2870

Tritanomaly

26.3388, 31.3836, 31.8636

Monochromacy



Original Color

23.8145, 31.6774, 18.7691

Achromatopsia

26.9133, 28.3149, 30.8349

Achromatomaly

25.4783, 29.3294, 25.7910

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.8145, 31.6774, 18.7691 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(121, 164, 107)` looks like.

```
.text, #text, p{  
    color:rgb(121, 164, 107)  
}
```

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(121, 164, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(121, 164, 107) }
```

Border

The CSS property to change the border of an element to XYZ 23.8145, 31.6774, 18.7691 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(121, 164, 107) }
```


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

```
.border{ border-color:rgb(121, 164, 107) }
```

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

Here you see how a box with a 4 pixel `rgb(121, 164, 107)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(121, 164, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(121, 164, 107);  
box-shadow:4px 4px 4px 4px rgb(121, 164,  
107) }
```

Background

The CSS property to change the background color of an element to XYZ 23.8145, 31.6774, 18.7691 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(121, 164, 107) }
```

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

```
.background{ background-color: rgb(121,  
164, 107) }
```

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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