

# Converting Colors

XYZ(24.0704, 30.7494, 26.8256)

Have a look what the booklet for  
XYZ(24.0704, 30.7494, 26.8256)  
contains.

<b>XYZ(24.1810, 30.8962, 26.8794)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(24.1810, 30.8962,  
26.8794)**

# Conversions

## Conversions Part 1

Format	Color
Hex	74A185
RGB	116, 161, 133
RGB Percent	45%, 63%, 52%
CMY	0.5451, 0.3686, 0.4784
CMYK	0.28, 0.00, 0.17, 0.37
HSL	143°, 19%, 54%
HSV	143°, 28%, 63%
XYZ	24.1810, 30.8962, 26.8794
YIQ	144.3530, -17.8320, -18.2480

# Conversions

## Conversions Part 2

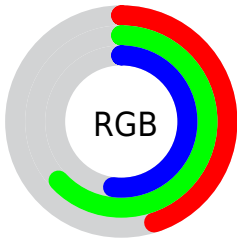
<b>Format</b>	<b>Color</b>
<b>RYB</b>	116, 149, 161
Decimal	7643525
CIELab	62.42, -21.19, 9.74
CIELCh	62, 23.327, 155.311
Yxy	30.8962, 0.2950, 0.3770
Android (android.graphics.Color)	4285833605 (0xFF74A185)
YUV	144.3530, -5.5970, -24.8656
Hunter-Lab	55.5844, -19.6193, 10.2377

# Details

The XYZ color **24.1810, 30.8962, 26.8794** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **25.9785, 22.0823, 29.2800**, and the grayscale version is **26.6793, 28.0687, 30.5669**.

A 20% lighter version of the original color is **49.7810, 61.0919, 55.6226**, and **9.2767, 12.7201, 10.1499** is the 20% darker color. If you saturate the color by 10%, you get **21.5641, 29.6242, 23.3148**, and if you desaturate by 10%, it is **27.2365, 32.3884, 30.8105**.

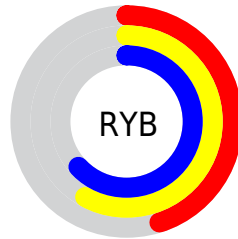
# Distribution



Red (45%)

Green (63%)

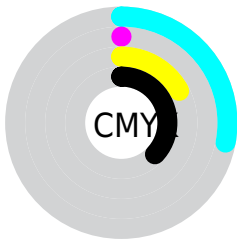
Blue (52%)



Red (45%)

Yellow (58%)

Blue (63%)

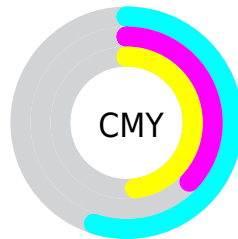


Cyan (28%)

Magenta (0%)

Yellow (17%)

Black (37%)



Cyan (55%)

Magenta (37%)

Yellow (48%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 24.1810, 30.8962, 26.8794 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 24.1810, 30.8962, 26.8794 by changing the saturation by 10% instead.



■ 24.1810, 30.8962,  
26.8794

■ 24.1810, 30.8962,  
26.8794

266.1578,  
306.0598, 300.8144

■ 15.5934, 20.5198,  
17.2510

■ 49.7779, 61.0766,  
55.6917

■ 9.3259, 12.7735,  
10.2498

■ 67.5180, 81.6494,  
75.7126

■ 5.0132, 7.2727,  
5.4571

■ 89.0396, 106.3899,  
100.0349

■ 2.2898, 3.6332,  
2.4545

114.7080,  
135.6823, 129.0770

■ 0.7895, 1.4706,  
0.8159

144.8887,  
169.9111, 163.2574

■ 0.0000, 0.2679,  
0.0000

179.9470,

■ 0.0000, 0.0000,

209.4607, 202.9948

0.0000

220.2483,  
254.7155, 248.7076

■ 24.1810, 30.8962,  
26.8794

■ 24.1810, 30.8962,  
26.8794

■ 21.5641, 29.6242,  
23.3148

■ 27.2365, 32.3884,  
30.8105

■ 19.3625, 28.5580,  
20.1041

■ 30.7477, 34.1068,  
35.1161

■ 17.5540, 27.6873,  
17.2369

■ 34.7337, 36.0620,  
39.8067

■ 16.1137, 26.9994,  
14.7014

■ 39.2118, 38.2626,  
44.8917

■ 15.0135, 26.4802,  
12.4853

■ 44.1984, 40.7170,  
50.3800

■ 14.2209, 26.1130,  
10.5753

■ 49.7092, 43.4330,  
56.2805

■ 13.6804, 25.8696,  
8.9564

■ 55.7590, 46.4182,  
62.6015

■ 13.5829, 25.8259,  
8.6586

■ 62.3623, 49.6798,  
69.3514

■ 67.3271, 52.0876,  
76.4347

# Harmonies

## Analogous

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



25.9900, 30.8962, 21.3386



24.1810, 30.8962, 26.8794



23.7187, 30.8962, 35.2784

# Triad

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



24.1810, 30.8962, 26.8794



29.9323, 30.8962, 54.1270



34.6118, 30.8962, 24.5465

# Complementary

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



24.1810, 30.8962, 26.8794



25.9785, 22.0823, 29.2800

# 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.



35.8451, 30.8962, 32.0545



24.1810, 30.8962, 26.8794



33.0222, 30.8962, 49.9437

# Square

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



24.1810, 30.8962, 26.8794



26.8989, 30.8962, 52.0708



35.2436, 30.8962, 41.4502



31.9793, 30.8962, 20.1707



# Rectangle

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



24.1810, 30.8962, 26.8794



24.2055, 30.8962, 41.6476



35.2436, 30.8962, 41.4502



35.2121, 30.8962, 26.7320

# Sweetspot

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



24.1818, 30.8975, 26.8801



54.9305, 61.0143, 62.7268



27.4875, 32.7265, 21.3916



11.8384, 13.2791, 13.5055



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444



# Same Dimension

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



24.1818, 30.8975, 26.8801



40.0862, 53.7654, 43.7967



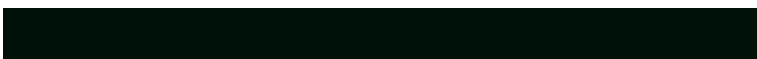
25.8648, 31.5707, 35.7422



7.0911, 7.9372, 8.0914



10.8663, 20.6329, 7.0126



0.2508, 0.4425, 0.2658



# Inverse Universe

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



25.9785, 22.0823, 29.2800



43.8808, 35.1361, 48.8572



24.4571, 21.4737, 21.2687



7.2503, 7.1566, 8.3046



13.6032, 6.7973, 10.3670



0.3077, 0.1516, 0.3329



# Previews

## White Background



This preview shows how the XYZ color 24.1810, 30.8962, 26.8794 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

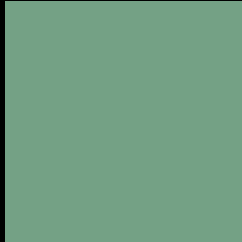
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 24.1810, 30.8962, 26.8794 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 24.1810, 30.8962, 26.8794**

## **Background**



This preview shows how black text looks on a background with the XYZ color 24.1810, 30.8962, 26.8794.



This preview shows how white text looks on a background with the XYZ color 24.1810, 30.8962,



# 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

24.1810, 30.8962, 26.8794

### Protanopia

28.8377, 30.6141, 24.4679

### Deuteranopia

31.1469, 30.5744, 27.5524



## Tritanopia

27.2183, 30.8525, 42.0567

# Trichromacy



## Original Color

24.1810, 30.8962, 26.8794

## Protanomaly

26.8457, 30.5358, 25.2480

## Deuteranomaly

28.0175, 30.3665, 27.3063

## Tritanomaly

25.9733, 30.8471, 36.0376

# Monochromacy



## Original Color

24.1810, 30.8962, 26.8794

## Achromatopsia

26.5089, 27.8894, 30.3716

## Achromatomaly

25.4715, 28.7745, 29.0225

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 24.1810, 30.8962, 26.8794 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(116, 161, 133)` looks like.

```
.text, #text, p{  
    color:rgb(116, 161, 133)  
}
```

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(116, 161, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 161, 133) }
```

## Border

The CSS property to change the border of an element to XYZ 24.1810, 30.8962, 26.8794 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(116, 161, 133) }
```



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

```
.border{ border-color:rgb(116, 161, 133) }
```

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

Here you see how a box with a 4 pixel `rgb(116, 161, 133)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 161, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 161, 133);  
box-shadow:4px 4px 4px 4px rgb(116, 161,  
133) }
```

# Background

The CSS property to change the background color of an element to XYZ 24.1810, 30.8962, 26.8794 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 161, 133) }
```

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

```
.background{ background-color: rgb(116,  
161, 133) }
```

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