

# Converting Colors

XYZ(24.6288, 24.1059, 28.5419)

Have a look what the booklet for  
XYZ(24.6288, 24.1059, 28.5419)  
contains.

<b>XYZ(24.6011, 24.1754, 28.5690)</b>	3
<i><b>Conversions</b></i>	4
<i><b>Details</b></i>	6
<i><b>Harmonies</b></i>	12
<i><b>Previews</b></i>	24
<i><b>Color Blindness Simulation</b></i>	28
<i><b>CSS Examples</b></i>	31

# Color

**XYZ(24.6011, 24.1754,  
28.5690)**

# Conversions

Conversions Part 1	
Format	Color
Hex	91838D
RGB	145, 131, 141
RGB Percent	57%, 51%, 55%
CMY	0.4314, 0.4863, 0.4471
CMYK	0.00, 0.10, 0.03, 0.43
HSL	317°, 6%, 54%
HSV	317°, 10%, 57%
XYZ	24.6011, 24.1754, 28.5690
YIQ	136.3260, 5.1340, 6.0780

# Conversions

## Conversions Part 2

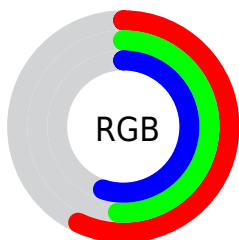
Format	Color
<a href="#">RYB</a>	<a href="#">145, 131, 141</a>
Decimal	<a href="#">9536397</a>
CIELab	<a href="#">56.26, 7.17, -3.45</a>
CIELCh	<a href="#">56, 7.954, 334.314</a>
Yxy	<a href="#">24.1754, 0.3181, 0.3126</a>
Android (android.graphics.Color)	<a href="#">4287726477</a> (0xFF91838D)
YUV	<a href="#">136.3260, 2.3043, 7.6071</a>
Hunter-Lab	<a href="#">49.1685, 3.2663, -0.0321</a>

# Details

The XYZ color **24.6011, 24.1754, 28.5690** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **23.8596, 26.8261, 26.8434**, and the grayscale version is **23.5148, 24.7394, 26.9412**.

A 20% lighter version of the original color is **50.5440, 50.3632, 58.6869**, and **9.6249, 9.2228, 11.1704** is the 20% darker color. If you saturate the color by 10%, you get **22.4859, 20.4290, 26.3712**, and if you desaturate by 10%, it is **27.0018, 28.4736, 30.9194**.

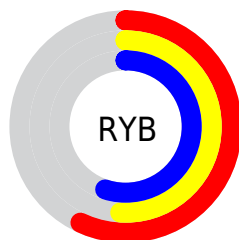
# Distribution



Red (57%)

Green (51%)

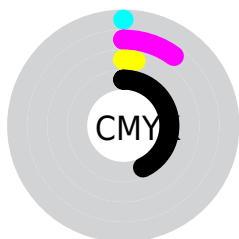
Blue (55%)



Red (57%)

Yellow (51%)

Blue (55%)

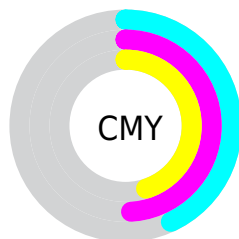


Cyan (0%)

Magenta (10%)

Yellow (3%)

Black (43%)



Cyan (43%)

Magenta (49%)


Yellow (45%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 24.6011, 24.1754, 28.5690 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 24.6011, 24.1754, 28.5690 by changing the saturation by 10% instead.





 24.6011, 24.1754,  
28.5690


 24.6011, 24.1754,  
28.5690


268.2300,  
273.7060, 309.1730


 15.9073, 15.4638,  
18.5123


 50.4569, 50.3163,  
58.4256

 9.5490, 9.1455,  
11.1451


 68.3496, 68.5143,  
79.0625

 5.1609, 4.8362,  
6.0491

 90.0393, 90.6433,  
104.0633

 2.3777, 2.1515,  
2.8057

115.8913,  
117.0876, 133.8463

 0.8340, 0.6934,  
0.9963


146.2710,  
148.2317, 168.8303


 0.0000, 0.0000,  
0.0000


181.5438,


184.4598, 209.4337


222.0750,  
226.1565, 256.0751


 24.6011, 24.1754,  
28.5690


 24.6011, 24.1754,  
28.5690


 22.4859, 20.4290,  
26.3712


 27.0018, 28.4736,  
30.9194

 20.6428, 17.2087,  
24.3202


 29.6966, 33.3418,  
33.4252


 19.0602, 14.4915,  
22.4117

 32.6964, 38.8012,  
36.0907


 17.7251, 12.2513,  
20.6407


 36.0108, 44.8707,  
38.9198


 16.6231, 10.4598,  
19.0019


 39.6491, 51.5688,  
41.9162


 15.7385, 9.0856,  
17.4893


 43.6202, 58.9129,  
45.0833


 15.0533, 8.0931,  
16.0962

 47.9324, 66.9199,  
48.4246

 14.5469, 7.4411,  
14.8152

 52.5941, 75.6059,  
51.9433

 14.1665, 7.0243,  
13.6278

 55.5029, 80.7661,  
54.9393

# Harmonies

## Analogous

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



23.9847, 24.1754, 30.7102



24.6011, 24.1754, 28.5690



24.7783, 24.1754, 25.9455

# Triad

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



24.6011, 24.1754, 28.5690



22.8458, 24.1754, 21.6091



21.5545, 24.1754, 29.2683

# Complementary

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



24.6011, 24.1754, 28.5690



23.8596, 26.8261, 26.8434

# 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.



21.2670, 24.1754, 26.7039



24.6011, 24.1754, 28.5690



21.9999, 24.1754, 22.3747

# Square

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



24.6011, 24.1754, 28.5690



23.7494, 24.1754, 22.0361



21.4279, 24.1754, 24.1977



22.2234, 24.1754, 31.1324



# Rectangle

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



24.6011, 24.1754, 28.5690



24.6197, 24.1754, 24.3013



21.4279, 24.1754, 24.1977



21.4109, 24.1754, 28.4536

# Sweetspot

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



24.6018, 24.1765, 28.5695



46.8319, 48.2549, 53.9057



23.2144, 23.4262, 30.0867



10.3448, 10.6032, 11.9205



69.3244, 72.9347, 79.4259



10.7221, 11.2805, 12.2844



# Same Dimension

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



24.6018, 24.1765, 28.5695



43.0255, 41.4602, 50.1150



24.0996, 23.9756, 25.9250



5.5614, 5.4851, 6.4545



12.1515, 6.0176, 11.7150



0.1257, 0.0613, 0.1621



# Inverse Universe

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



24.6018, 24.1765, 28.5695



43.0255, 41.4602, 50.1150



24.3663, 27.0288, 29.5116



5.5614, 5.4851, 6.4545



12.1515, 6.0176, 11.7150



0.1257, 0.0613, 0.1621



# Previews

## White Background



This preview shows how the XYZ color 24.6011, 24.1754, 28.5690 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

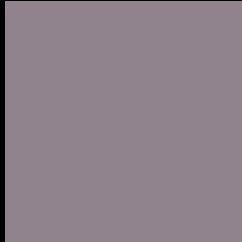
Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail



# Black Background



This preview shows how the XYZ color 24.6011, 24.1754, 28.5690 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

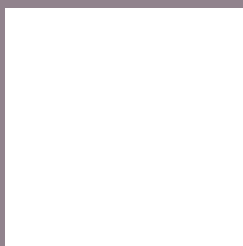
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 24.6011, 24.1754, 28.5690**

## **Background**



This preview shows how black text looks on a background with the XYZ color 24.6011, 24.1754, 28.5690.



This preview shows how white text looks on a background with the XYZ color 24.6011, 24.1754,



# 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

24.6011, 24.1754, 28.5690

### Protanopia

23.4747, 24.1843, 29.4174

### Deuteranopia

24.6011, 24.1754, 28.5690



## Tritanopia

24.6011, 24.1754, 28.5690

# Trichromacy



**Original Color**  
24.6011, 24.1754, 28.5690

**Protanomaly**  
23.9175, 24.2170, 29.0050

**Deuteranomaly**  
24.6011, 24.1754, 28.5690

**Tritanomaly**  
24.6011, 24.1754, 28.5690

# Monochromacy



**Original Color**  
24.6011, 24.1754, 28.5690

**Achromatopsia**  
23.4014, 24.6201, 26.8113

**Achromatomaly**  
23.7600, 24.3741, 27.4971

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 24.6011, 24.1754, 28.5690 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(145, 131, 141) looks like.

```
.text, #text, p{  
    color:rgb(145, 131, 141)  
}
```

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(145, 131, 141) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 131, 141) }
```

## Border

The CSS property to change the border of an element to XYZ 24.6011, 24.1754, 28.5690 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(145, 131, 141) }
```



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

```
.border{ border-color:rgb(145, 131, 141) }
```

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

Here you see how a box with a 4 pixel rgb(145, 131, 141) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(145, 131, 141); -webkit-box-  
shadow:4px 4px 4px 4px rgb(145, 131, 141);  
box-shadow:4px 4px 4px 4px rgb(145, 131,  
141) }
```

# Background

The CSS property to change the background color of an element to XYZ 24.6011, 24.1754, 28.5690 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(145, 131, 141) }
```

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

```
.background{ background-color: rgb(145,  
131, 141) }
```

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