

# Converting Colors

XYZ(28.1548, 32.9395, 45.1699)

Have a look what the booklet for  
XYZ(28.1548, 32.9395, 45.1699)  
contains.

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# Color

**XYZ(28.2084, 33.1019,  
44.9470)**

# Conversions

## Conversions Part 1

| Format      | Color                       |
|-------------|-----------------------------|
| Hex         | 76A3AE                      |
| RGB         | 118, 163, 174               |
| RGB Percent | 46%, 64%, 68%               |
| CMY         | 0.5372, 0.3608, 0.3176      |
| CMYK        | 0.32, 0.06, 0.00, 0.32      |
| HSL         | 192°, 26%, 57%              |
| HSV         | 192°, 32%, 68%              |
| XYZ         | 28.2084, 33.1019, 44.9470   |
| YIQ         | 150.7990, -30.3510, -6.1190 |

# Conversions

## Conversions Part 2

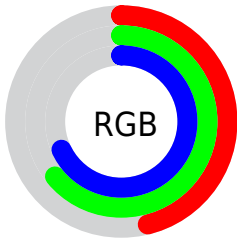
| Format                              | Color                          |
|-------------------------------------|--------------------------------|
| R <sub>Y</sub> B                    | 118, 143, 174                  |
| Decimal                             | 7775150                        |
| CIE Lab                             | 64.24, -12.36, -10.57          |
| CIE LCh                             | 64, 16.261, 220.525            |
| Yxy                                 | 33.1019, 0.2655,<br>0.3115     |
| Android<br>(android.graphics.Color) | 4285965230<br>(0xFF76A3AE)     |
| YUV                                 | 150.7990, 11.4381,<br>-28.7647 |
| Hunter-Lab                          | 57.5343, -13.1684,<br>-6.0447  |

# Details

The XYZ color **28.2084, 33.1019, 44.9470** is a light color, and the websafe version is hex **669999**. A complement of this color would be **28.5764, 26.0076, 20.6542**, and the grayscale version is **29.2923, 30.8177, 33.5605**.

A 20% lighter version of the original color is **56.2275, 64.5706, 83.6286**, and **11.5120, 13.9673, 20.5016** is the 20% darker color. If you saturate the color by 10%, you get **25.4616, 30.7980, 44.6476**, and if you desaturate by 10%, it is **31.4095, 35.6659, 45.2738**.

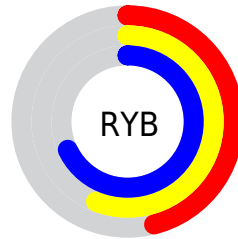
# Distribution



Red (46%)

Green (64%)

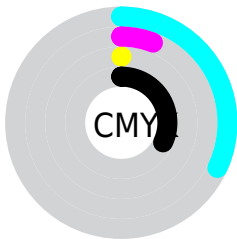
Blue (68%)



Red (46%)

Yellow (56%)

Blue (68%)

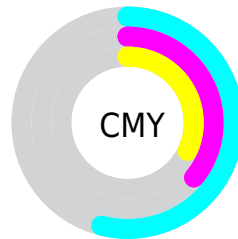


Cyan (32%)

Magenta (6%)

Yellow (0%)

Black (32%)



Cyan (54%)

Magenta (36%)

Yellow (32%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 28.2084, 33.1019, 44.9470 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 28.2084, 33.1019, 44.9470 by changing the saturation by 10% instead.



■ 28.2084, 33.1019,  
44.9470

■ 28.2084, 33.1019,  
44.9470

285.5234,  
316.1086, 382.7127

■ 18.6241, 22.2045,  
31.0730

■ 56.2233, 64.5346,  
83.9585

■ 11.5013, 14.0073,  
20.3955

■ 75.3846, 85.8387,  
109.9331

■ 6.4749, 8.1257,  
12.4960

■ 98.4689, 111.3805,  
140.7783

■ 3.1793, 4.1755,  
6.9558

125.8416,  
141.5444, 176.9127

■ 1.2493, 1.7722,  
3.3564

157.8681,  
176.7147, 218.7548

■ 0.1448, 0.4698,  
1.2794

194.9136,

■ 0.0000, 0.0000,

217.2760, 266.7231

0.0448

237.3436,  
263.6125, 321.2363

0.0000, 0.0000,  
0.0000

28.2084, 33.1019,  
44.9470

28.2084, 33.1019,  
44.9470

25.4616, 30.7980,  
44.6476

31.4095, 35.6659,  
45.2738

23.1420, 28.7377,  
44.3722

35.0841, 38.4979,  
45.6267

21.2240, 26.9084,  
44.1202

39.2542, 41.6099,  
46.0076

19.6783, 25.2947,  
43.8902

43.9391, 45.0122,  
46.4174

18.4711, 23.8792,  
43.6806

49.1573, 48.7145,  
46.8570

■ 17.5624, 22.6409,  
43.4895

■ 54.9264, 52.7261,  
47.3272

■ 16.9929, 21.7617,  
43.3498

■ 61.2630, 57.0557,  
47.8289

■ 67.3678, 61.2914,  
48.3248

■ 68.1185, 62.7928,  
48.5750

# Harmonies

## Analogous

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



27.2980, 33.1019, 38.4140



28.2084, 33.1019, 44.9470



30.0060, 33.1019, 49.4008

# Triad

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



28.2084, 33.1019, 44.9470



35.8342, 33.1019, 40.4476



30.6587, 33.1019, 24.9357

# Complementary

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



28.2084, 33.1019, 44.9470



28.5764, 26.0076, 20.6542

# 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.



32.9651, 33.1019, 25.3393



28.2084, 33.1019, 44.9470



36.0300, 33.1019, 33.7704

# Square

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



28.2084, 33.1019, 44.9470



34.4348, 33.1019, 46.5913



34.9574, 33.1019, 28.3990



28.6661, 33.1019, 27.2195



# Rectangle

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



28.2084, 33.1019, 44.9470



31.5030, 33.1019, 50.3027



34.9574, 33.1019, 28.3990



31.4217, 33.1019, 24.7692

# Sweetspot

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



28.2094, 33.1032, 44.9478



65.0823, 70.9214, 82.8959



26.5219, 35.6899, 26.0061



14.2439, 15.5960, 18.4039



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832



# Same Dimension

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



28.2094, 33.1032, 44.9478



47.3520, 56.8635, 81.1169



23.8786, 24.4417, 43.5042



8.1007, 8.8008, 10.2245



12.3667, 15.8673, 31.4554



0.3777, 0.5088, 0.8863



# Inverse Universe

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



30.5457, 24.6008, 37.7902



52.3933, 39.2576, 65.5059



32.6595, 34.1740, 22.0153



8.2686, 8.1207, 9.7254



16.1058, 7.9049, 18.7344

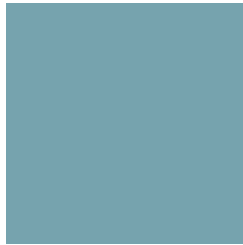


0.4650, 0.2267, 0.6107



# Previews

## White Background



This preview shows how the XYZ color 28.2084, 33.1019, 44.9470 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

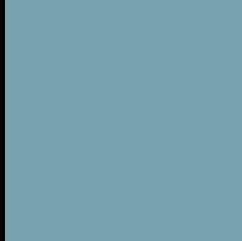
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 28.2084, 33.1019, 44.9470 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

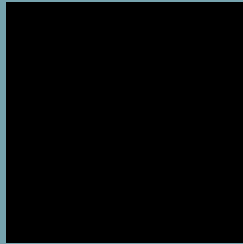
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 28.2084, 33.1019, 44.9470**

## **Background**



This preview shows how black text looks on a background with the XYZ color 28.2084, 33.1019, 44.9470.



This preview shows how white text looks on a background with the XYZ color 28.2084, 33.1019,



# 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

28.2084, 33.1019, 44.9470

### Protanopia

31.9499, 32.8084, 41.6945

### Deuteranopia

33.4003, 32.7414, 45.6336



## Tritanopia

28.4049, 33.1805, 45.9817

# Trichromacy



## Original Color

28.2084, 33.1019, 44.9470

## Protanomaly

30.2972, 32.6789, 42.7410

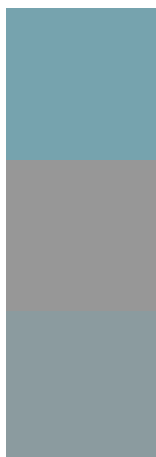
## Deuteranomaly

31.1363, 32.5576, 45.2006

## Tritanomaly

28.3063, 33.1411, 45.4624

# Monochromacy



## Original Color

28.2084, 33.1019, 44.9470

## Achromatopsia

29.4150, 30.9469, 33.7012

## Achromatomaly

28.6268, 31.4349, 37.3596

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 28.2084, 33.1019, 44.9470 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(118, 163, 174)` looks like.

```
.text, #text, p{  
    color:rgb(118, 163, 174)  
}
```

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(118, 163, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 163, 174) }
```

## Border

The CSS property to change the border of an element to XYZ 28.2084, 33.1019, 44.9470 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(118, 163, 174) }
```



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

```
.border{ border-color:rgb(118, 163, 174) }
```

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

Here you see how a box with a 4 pixel `rgb(118, 163, 174)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 163, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 163, 174);  
box-shadow:4px 4px 4px 4px rgb(118, 163,  
174) }
```

# Background

The CSS property to change the background color of an element to XYZ 28.2084, 33.1019, 44.9470 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 163, 174) }
```

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

```
.background{ background-color: rgb(118,  
163, 174) }
```

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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