

# Converting Colors

XYZ(27.7444, 27.7512, 21.7698)

Have a look what the booklet for  
XYZ(27.7444, 27.7512, 21.7698)  
contains.

<b>XYZ(27.8725, 27.8988, 21.6853)</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(27.8725, 27.8988,  
21.6853)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A38C78
RGB	163, 140, 120
RGB Percent	64%, 55%, 47%
CMY	0.3608, 0.4510, 0.5294
CMYK	0.00, 0.14, 0.26, 0.36
HSL	28°, 19%, 55%
HSV	28°, 26%, 64%
XYZ	27.8725, 27.8988, 21.6853
YIQ	144.5970, 20.1280, -1.3440

# Conversions

## Conversions Part 2

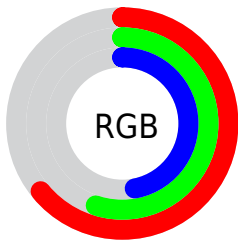
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	163, 157, 120
Decimal	10718328
CIE <sub>Lab</sub>	59.80, 5.47, 13.89
CIE <sub>LCh</sub>	60, 14.928, 68.485
Yxy	27.8988, 0.3598, 0.3602
Android (android.graphics.Color)	4288908408 (0xFFA38C78)
YUV	144.5970, -12.1263, 16.1394
Hunter-Lab	52.8193, 1.7598, 12.6316

# Details

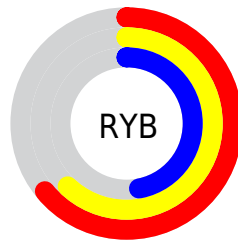
The XYZ color **27.8725, 27.8988, 21.6853** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **24.1788, 26.2815, 38.4489**, and the grayscale version is **26.7927, 28.1880, 30.6967**.

A 20% lighter version of the original color is **55.6516, 56.4676, 46.9959**, and **11.3490, 11.1468, 7.5146** is the 20% darker color. If you saturate the color by 10%, you get **25.7427, 25.0898, 16.5033**, and if you desaturate by 10%, it is **30.2731, 30.9796, 27.7891**.

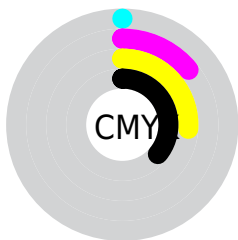
# Distribution



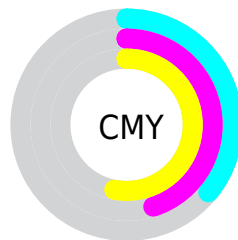
- Red (64%)
- Green (55%)
- Blue (47%)



- Red (64%)
- Yellow (62%)
- Blue (47%)



- Cyan (0%)
- Magenta (14%)
- Yellow (26%)
- Black (36%)




- Cyan (36%)
- Magenta (45%)
- Yellow (53%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 27.8725, 27.8988, 21.6853 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 27.8725, 27.8988, 21.6853 by changing the saturation by 10% instead.





 27.8725, 27.8988,  
21.6853

 27.8725, 27.8988,  
21.6853


283.9483,  
291.9830, 273.7981


 18.3695, 18.2494,  
13.4297


 55.6909, 56.3228,  
47.1208

 11.3169, 11.1292,  
7.5909


 74.7370, 75.8662,  
65.1379

 6.3493, 6.1538,  
3.7503


 97.6949, 99.4764,  
87.2458

 3.1013, 2.9388,  
1.4894

124.9299,  
127.5378, 113.8632

 1.2075, 1.0999,  
0.2100

156.8074,  
160.4348, 145.4086

 0.1123, 0.0000,  
0.0000

193.6927,

 0.0000, 0.0000,

198.5517, 182.3005

0.0000

235.9513,  
242.2730, 224.9575

■ 27.8725, 27.8988,  
21.6853

■ 27.8725, 27.8988,  
21.6853

■ 25.7427, 25.0898,  
16.5033

■ 30.2731, 30.9796,  
27.7891

■ 23.8707, 22.5407,  
12.1957

■ 32.9525, 34.3360,  
34.8553

■ 22.2456, 20.2442,  
8.7133

■ 35.9210, 37.9766,  
42.9245

■ 20.8545, 18.1912,  
6.0016

■ 39.1878, 41.9085,  
52.0342

■ 19.6834, 16.3720,  
3.9991

■ 42.7615, 46.1383,  
62.2198

■ 18.7163, 14.7757,  
2.6348

■ 46.6505, 50.6727,  
73.5155

■ 17.9314, 13.3891,  
1.8087

■ 50.8626, 55.5178,  
85.9535

■ 17.6769, 12.9317,  
1.5644

■ 55.4056, 60.6799,  
99.5650

■ 58.3450, 65.3880,  
104.1538

# Harmonies

## Analogous

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



29.4652, 27.8988, 24.3485



27.8725, 27.8988, 21.6853



25.9843, 27.8988, 21.2006

# Triad

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



27.8725, 27.8988, 21.6853



23.0820, 27.8988, 31.9390



28.8439, 27.8988, 39.2759

# Complementary

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



27.8725, 27.8988, 21.6853



24.1788, 26.2815, 38.4489

# 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.



27.0569, 27.8988, 41.8800



27.8725, 27.8988, 21.6853



23.7723, 27.8988, 37.3265

# Square

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



27.8725, 27.8988, 21.6853



23.2771, 27.8988, 26.7170



25.2061, 27.8988, 41.1271



30.0443, 27.8988, 34.3570



# Rectangle

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



27.8725, 27.8988, 21.6853



24.8209, 27.8988, 22.1153



25.2061, 27.8988, 41.1271



28.2885, 27.8988, 40.4761

# Sweetspot

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



27.8732, 27.9001, 21.6859



58.1294, 60.3932, 60.0560



26.8283, 23.2227, 29.3142



12.8947, 13.3636, 13.0605



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.



27.8732, 27.9001, 21.6859



47.4923, 46.7836, 32.8813



31.2132, 34.5800, 22.7992



7.3327, 7.6037, 7.4613



13.7829, 10.1396, 1.2307



0.3368, 0.3074, 0.0416



# Inverse Universe

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



24.1788, 26.2815, 38.4489



39.6776, 43.3583, 68.3339



21.3349, 20.5937, 37.5009



6.9994, 7.4578, 8.9737



7.8433, 7.4661, 27.9575



0.2116, 0.2504, 0.6030



# Previews

## White Background



This preview shows how the XYZ color 27.8725, 27.8988, 21.6853 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 27.8725, 27.8988, 21.6853 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 27.8725, 27.8988, 21.6853**

## **Background**



This preview shows how black text looks on a background with the XYZ color 27.8725, 27.8988, 21.6853.



This preview shows how white text looks on a background with the XYZ color 27.8725, 27.8988,



# 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

27.8725, 27.8988, 21.6853

### Protanopia

26.4350, 28.0271, 22.4288

### Deuteranopia

28.3487, 27.9283, 21.6659



## Tritanopia

29.7965, 27.8219, 31.4035

# Trichromacy



## Original Color

27.8725, 27.8988, 21.6853

## Protanomaly

26.9840, 28.0933, 22.0895

## Deuteranomaly

28.1398, 27.8206, 21.6561

## Tritanomaly

28.9781, 27.6968, 27.4856

# Monochromacy



## Original Color

27.8725, 27.8988, 21.6853

## Achromatopsia

26.9133, 28.3149, 30.8349

## Achromatomaly

27.2153, 28.0979, 27.2816

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 27.8725, 27.8988, 21.6853 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(163, 140, 120)` looks like.

```
.text, #text, p{  
    color:rgb(163, 140, 120)  
}
```

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(163, 140, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 140, 120) }
```

## Border

The CSS property to change the border of an element to XYZ 27.8725, 27.8988, 21.6853 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(163, 140, 120) }
```



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

```
.border{ border-color:rgb(163, 140, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 140, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 140, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 140, 120);  
box-shadow:4px 4px 4px 4px rgb(163, 140,  
120) }
```

# Background

The CSS property to change the background color of an element to XYZ 27.8725, 27.8988, 21.6853 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 140, 120) }
```

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

```
.background{ background-color: rgb(163,  
140, 120) }
```

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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