

# Converting Colors

XYZ(28.2380, 29.4731, 21.1768)

Have a look what the booklet for  
XYZ(28.2380, 29.4731, 21.1768)  
contains.

<b>XYZ(28.1877, 29.4192, 21.0224)</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(28.1877, 29.4192,  
21.0224)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	A19275
RGB	161, 146, 117
RGB Percent	63%, 57%, 46%
CMY	0.3686, 0.4274, 0.5412
CMYK	0.00, 0.09, 0.27, 0.37
HSL	40°, 19%, 55%
HSV	40°, 27%, 63%
XYZ	28.1877, 29.4192, 21.0224
YIQ	147.1790, 18.2490, -5.8390

# Conversions

## Conversions Part 2

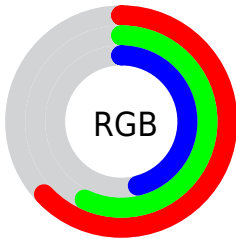
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	140, 161, 117
Decimal	10588789
CIE <sub>Lab</sub>	61.15, 0.89, 17.42
CIE <sub>LCh</sub>	61, 17.445, 87.069
Yxy	29.4192, 0.3585, 0.3742
Android (android.graphics.Color)	4288778869 (0xFFA19275)
YUV	147.1790, -14.8782, 12.1210
Hunter-Lab	54.2395, -2.1544, 14.9877

# Details

The XYZ color **28.1877, 29.4192, 21.0224** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **22.0202, 22.8569, 36.9695**, and the grayscale version is **27.8622, 29.3132, 31.9221**.

A 20% lighter version of the original color is **56.1346, 58.7721, 45.9216**, and **11.5637, 12.0466, 7.3460** is the 20% darker color. If you saturate the color by 10%, you get **26.4959, 27.4223, 16.1831**, and if you desaturate by 10%, it is **30.0845, 31.5651, 26.7340**.

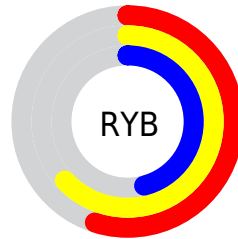
# Distribution



Red (63%)

Green (57%)

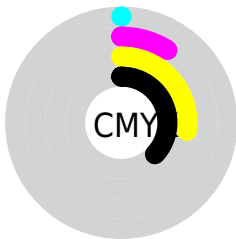
Blue (46%)



Red (55%)

Yellow (63%)

Blue (46%)

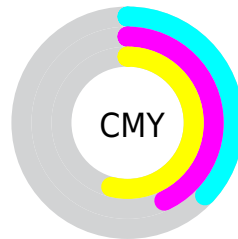


Cyan (0%)

Magenta (9%)

Yellow (27%)

Black (37%)



Cyan (37%)

Magenta (43%)

Yellow (54%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 28.1877, 29.4192, 21.0224 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 28.1877, 29.4192, 21.0224 by changing the saturation by 10% instead.



■ 28.1877, 29.4192,  
21.0224

■ 28.1877, 29.4192,  
21.0224

285.4266,  
299.1877, 270.1825

■ 18.6084, 19.3982,  
12.9490

■ 56.1905, 58.7425,  
46.0061

■ 11.4900, 11.9583,  
7.2631

■ 75.3447, 78.8135,  
63.7534

■ 6.4671, 6.7153,  
3.5463

■ 98.4213, 103.0033,  
85.5625

■ 3.1745, 3.2847,  
1.3799

125.7855,  
131.6962, 111.8518

■ 1.2467, 1.2821,  
0.1259

157.8028,  
165.2768, 143.0399

■ 0.1428, 0.1273,  
0.0000

194.8385,

■ 0.0000, 0.0000,

204.1293, 179.5454

0.0000

237.2580,  
248.6381, 221.7867

■ 28.1877, 29.4192,  
21.0224

■ 28.1877, 29.4192,  
21.0224

■ 26.4959, 27.4223,  
16.1831

■ 30.0845, 31.5651,  
26.7340

■ 24.9979, 25.5660,  
12.1702

■ 32.1923, 33.8602,  
33.3570

■ 23.6848, 23.8468,  
8.9363

■ 34.5195, 36.3099,  
40.9303

■ 22.5460, 22.2596,  
6.4285

■ 37.0737, 38.9178,  
49.4901

■ 21.5696, 20.7986,  
4.5871

■ 39.8618, 41.6877,  
59.0705

■ 20.7420, 19.4573,  
3.3431

■ 42.8904, 44.6231,  
69.7042

■ 20.0413, 18.2260,  
2.5852

■ 46.1658, 47.7272,  
81.4222

■ 19.8651, 17.9114,  
2.4102

■ 49.6944, 51.0034,  
94.2544

■ 52.3505, 54.0022,  
102.2720

# Harmonies

## Analogous

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



30.4233, 29.4192, 22.5760



28.1877, 29.4192, 21.0224



26.0069, 29.4192, 22.0695

# Triad

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



28.1877, 29.4192, 21.0224



24.2236, 29.4192, 38.1168



31.8207, 29.4192, 39.3841

# Complementary

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



28.1877, 29.4192, 21.0224



22.0202, 22.8569, 36.9695

# 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.



30.0128, 29.4192, 44.6168



28.1877, 29.4192, 21.0224



25.6373, 29.4192, 43.8178

# Square

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



28.1877, 29.4192, 21.0224



23.7934, 29.4192, 31.3924



27.7376, 29.4192, 46.3398



32.5913, 29.4192, 32.6813



# Rectangle

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



28.1877, 29.4192, 21.0224



24.8622, 29.4192, 24.1922



27.7376, 29.4192, 46.3398



31.3095, 29.4192, 41.4064

# Sweetspot

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



28.1885, 29.4205, 21.0230



57.3287, 60.2926, 58.7016



25.2517, 21.9769, 24.8849



12.4500, 13.0907, 12.4826



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.



28.1885, 29.4205, 21.0230



48.5346, 50.4082, 32.0202



29.3586, 33.6836, 21.7842



7.4452, 7.8287, 7.4988



15.9045, 14.3829, 1.9379



0.3753, 0.3845, 0.0544



# Inverse Universe

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



22.0202, 22.8569, 36.9695



35.5592, 36.6056, 65.5779



21.0491, 19.5515, 36.3827



6.8886, 7.2362, 8.9367



6.2589, 4.2971, 27.4293



0.1740, 0.1753, 0.5905



# Previews

## White Background



This preview shows how the XYZ color 28.1877, 29.4192, 21.0224 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 28.1877, 29.4192, 21.0224 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

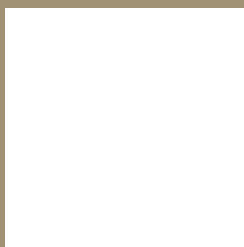
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 28.1877, 29.4192, 21.0224**

## **Background**



This preview shows how black text looks on a background with the XYZ color 28.1877, 29.4192, 21.0224.



This preview shows how white text looks on a background with the XYZ color 28.1877, 29.4192,



# 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

28.1877, 29.4192, 21.0224

### Protanopia

27.6084, 29.3435, 21.3483

### Deuteranopia

29.9563, 29.4247, 21.2402



## Tritanopia

30.7094, 29.3161, 33.7458

# Trichromacy



## Original Color

28.1877, 29.4192, 21.0224

## Protanomaly

27.8043, 29.4445, 21.3575

## Deuteranomaly

29.2409, 29.2778, 21.2495

## Tritanomaly

29.7925, 29.4015, 28.5309

# Monochromacy



## Original Color

28.1877, 29.4192, 21.0224

## Achromatopsia

27.7328, 29.1771, 31.7738

## Achromatomaly

27.8265, 29.3204, 27.4853

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 28.1877, 29.4192, 21.0224 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(161, 146, 117)` looks like.

```
.text, #text, p{  
    color:rgb(161, 146, 117)  
}
```

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(161, 146, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 146, 117) }
```

## Border

The CSS property to change the border of an element to XYZ 28.1877, 29.4192, 21.0224 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(161, 146, 117) }
```



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

```
.border{ border-color:rgb(161, 146, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(161, 146, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(161, 146, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(161, 146, 117);  
box-shadow:4px 4px 4px 4px rgb(161, 146,  
117) }
```

# Background

The CSS property to change the background color of an element to XYZ 28.1877, 29.4192, 21.0224 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 146, 117) }
```

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

```
.background{ background-color: rgb(161,  
146, 117) }
```

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