

# Converting Colors

XYZ(21.3987, 29.0041, 15.7125)

Have a look what the booklet for  
XYZ(21.3987, 29.0041, 15.7125)  
contains.

<b>XYZ(21.3240, 28.8942, 15.7625)</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(21.3240, 28.8942,  
15.7625)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	729E61
RGB	114, 158, 97
RGB Percent	45%, 62%, 38%
CMY	0.5529, 0.3804, 0.6196
CMYK	0.28, 0.00, 0.39, 0.38
HSL	103°, 24%, 50%
HSV	103°, 39%, 62%
XYZ	21.3240, 28.8942, 15.7625
YIQ	137.8900, -6.6430, -28.2990

# Conversions

## Conversions Part 2

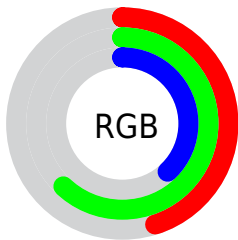
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	97, 158, 141
Decimal	7511649
CIE <sub>Lab</sub>	60.69, -26.73, 27.21
CIE <sub>LCh</sub>	61, 38.143, 134.499
Yxy	28.8942, 0.3232, 0.4379
Android (android.graphics.Color)	4285701729 (0xFF729E61)
YUV	137.8900, -20.1588, -20.9515
Hunter-Lab	53.7533, -23.2572, 20.2413

# Details

The XYZ color **21.3240, 28.8942, 15.7625** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **21.4319, 16.6815, 34.4396**, and the grayscale version is **24.1924, 25.4523, 27.7176**.

A 20% lighter version of the original color is **45.0759, 57.9421, 36.8252**, and **7.8228, 11.6198, 4.7363** is the 20% darker color. If you saturate the color by 10%, you get **19.2684, 27.9122, 12.1963**, and if you desaturate by 10%, it is **23.7126, 30.0327, 20.1115**.

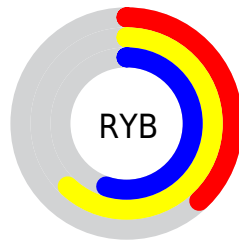
# Distribution



Red (45%)

Green (62%)

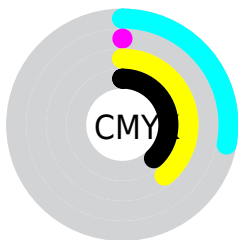
Blue (38%)



Red (38%)

Yellow (62%)

Blue (55%)

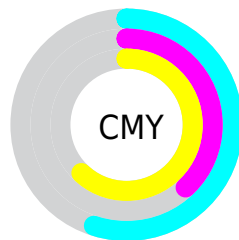


Cyan (28%)

Magenta (0%)

Yellow (39%)

Black (38%)



Cyan (55%)

Magenta (38%)

Yellow (62%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 21.3240, 28.8942, 15.7625 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 21.3240, 28.8942, 15.7625 by changing the saturation by 10% instead.



■ 21.3240, 28.8942,  
15.7625

■ 21.3240, 28.8942,  
15.7625

251.6947,  
296.7154, 239.7338

■ 13.4749, 19.0008,  
9.2037

■ 45.1134, 57.9089,  
36.9464

■ 7.8356, 11.6709,  
4.7757

■ 61.7843, 77.7991,  
52.4087

■ 4.0408, 6.5200,  
2.0598

■ 82.1265, 101.7903,  
71.6758

■ 1.7253, 3.1638,  
0.5917

■ 106.5054,  
130.2669, 95.1664

■ 0.4720, 1.2178,  
0.0000

135.2863,  
163.6133, 123.2989

■ 0.0000, 0.0762,  
0.0000

168.8346,

■ 0.0000, 0.0000,

202.2139, 156.4920

0.0000

207.5156,  
246.4532, 195.1641

■ 21.3240, 28.8942,  
15.7625

■ 21.3240, 28.8942,  
15.7625

■ 19.2684, 27.9122,  
12.1963

■ 23.7126, 30.0327,  
20.1115

■ 17.5280, 27.0758,  
9.3645

■ 26.4465, 31.3304,  
25.2841

■ 16.0867, 26.3789,  
7.2164


■ 29.5400, 32.7947,  
31.3203


■ 14.9260, 25.8130,  
5.6940


■ 33.0058, 34.4315,  
38.2573


■ 14.0248, 25.3688,  
4.7298

■ 36.8561, 36.2461,  
46.1298


 13.3490, 25.0317,  
4.1912

 41.1025, 38.2439,  
54.9707

 13.2674, 24.9910,  
4.1245

 45.7562, 40.4300,  
64.8116

 50.8277, 42.8091,  
75.6824

 56.3273, 45.3859,  
87.6117

# Harmonies

## Analogous

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



25.1509, 28.8942, 11.7774



21.3240, 28.8942, 15.7625



19.2828, 28.8942, 24.7309

# Triad

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



21.3240, 28.8942, 15.7625



24.9999, 28.8942, 65.6673



37.7339, 28.8942, 25.1245

# Complementary

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



21.3240, 28.8942, 15.7625



21.4319, 16.6815, 34.4396

# 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.



37.6807, 28.8942, 39.3129



21.3240, 28.8942, 15.7625



29.9127, 28.8942, 65.8687

# Square

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



21.3240, 28.8942, 15.7625



21.2249, 28.8942, 54.6632



34.6800, 28.8942, 55.1511



34.8175, 28.8942, 15.9758



# Rectangle

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



21.3240, 28.8942, 15.7625



19.0338, 28.8942, 33.6454



34.6800, 28.8942, 55.1511



38.0729, 28.8942, 29.3730

# Sweetspot

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



21.3247, 28.8954, 15.7631



51.5278, 58.5523, 52.7141



25.7425, 27.0997, 15.1837



11.4629, 13.1277, 11.5832



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.



21.3247, 28.8954, 15.7631



35.5864, 50.9719, 23.1574



19.9838, 28.1269, 19.1902



6.7157, 7.4861, 7.0767



10.6595, 20.0319, 3.3047



0.2285, 0.3777, 0.0609



# Inverse Universe

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



21.4319, 16.6815, 34.4396



35.7902, 25.6815, 61.8141



23.4704, 17.8569, 28.9115



6.7238, 6.6616, 8.3381



10.5370, 4.8611, 26.2901



0.2269, 0.1067, 0.4719



# Previews

## White Background



This preview shows how the XYZ color 21.3240, 28.8942, 15.7625 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 21.3240, 28.8942, 15.7625 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

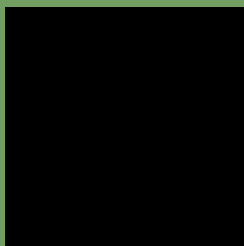
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**XYZ 21.3240, 28.8942, 15.7625**

## **Background**



This preview shows how black text looks on a background with the XYZ color 21.3240, 28.8942, 15.7625.



This preview shows how white text looks on a background with the XYZ color 21.3240, 28.8942,



# 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

21.3240, 28.8942, 15.7625

### Protanopia

26.5087, 28.7014, 14.2680

### Deuteranopia

29.1826, 28.6944, 16.3124



## Tritanopia

25.8854, 28.7813, 38.3735

# Trichromacy



## Original Color

21.3240, 28.8942, 15.7625

## Protanomaly

24.2544, 28.4605, 14.8048

## Deuteranomaly

25.6829, 28.4629, 16.1969

## Tritanomaly

23.8638, 28.6824, 28.3233

# Monochromacy



## Original Color

21.3240, 28.8942, 15.7625

## Achromatopsia

24.1572, 25.4152, 27.6772

## Achromatomaly

22.7538, 26.3480, 22.6253

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 21.3240, 28.8942, 15.7625 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(114, 158, 97)` looks like.

```
.text, #text, p{  
    color:rgb(114, 158, 97)  
}
```

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(114, 158, 97) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(114, 158, 97) }
```

## Border

The CSS property to change the border of an element to XYZ 21.3240, 28.8942, 15.7625 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(114, 158, 97) }
```



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

```
.border{ border-color:rgb(114, 158, 97) }
```

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

Here you see how a box with a 4 pixel `rgb(114, 158, 97)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(114, 158, 97); -webkit-box-  
shadow:4px 4px 4px 4px rgb(114, 158, 97);  
box-shadow:4px 4px 4px 4px rgb(114, 158,  
97) }
```

# Background

The CSS property to change the background color of an element to XYZ 21.3240, 28.8942, 15.7625 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(114, 158, 97) }
```

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

```
.background{ background-color: rgb(114,  
158, 97) }
```

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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