

# Converting Colors

XYZ(20.9125, 28.8152, 15.6438)

Have a look what the booklet for  
XYZ(20.9125, 28.8152, 15.6438)  
contains.

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# Color

**XYZ(20.9399, 28.9558,  
15.5517)**

# Conversions

## Conversions Part 1

Format	Color
Hex	6E9F60
RGB	110, 159, 96
RGB Percent	43%, 62%, 38%
CMY	0.5686, 0.3765, 0.6235
CMYK	0.31, 0.00, 0.40, 0.38
HSL	107°, 25%, 50%
HSV	107°, 40%, 62%
XYZ	20.9399, 28.9558, 15.5517
YIQ	137.1670, -8.9810, -29.9810

# Conversions

## Conversions Part 2

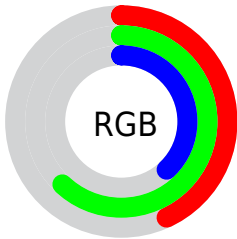
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	96, 159, 145
Decimal	7249760
CIE <sub>Lab</sub>	60.74, -28.80, 27.77
CIE <sub>LCh</sub>	61, 40.011, 136.047
Yxy	28.9558, 0.3200, 0.4424
Android (android.graphics.Color)	4285439840 (0xFF6E9F60)
YUV	137.1670, -20.2953, -23.8255
Hunter-Lab	53.8106, -24.7069, 20.5321

# Details

The XYZ color **20.9399, 28.9558, 15.5517** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **22.1191, 16.8895, 34.8966**, and the grayscale version is **23.9185, 25.1641, 27.4037**.

A 20% lighter version of the original color is **44.4173, 57.9862, 36.4552**, and **7.5948, 11.6586, 4.6464** is the 20% darker color. If you saturate the color by 10%, you get **18.8480, 27.9544, 12.0114**, and if you desaturate by 10%, it is **23.3962, 30.1296, 19.8832**.

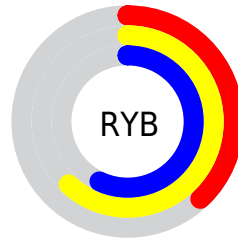
# Distribution



Red (43%)

Green (62%)

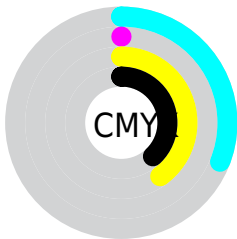
Blue (38%)



Red (38%)

Yellow (62%)

Blue (57%)

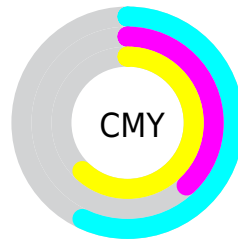


Cyan (31%)

Magenta (0%)

Yellow (40%)

Black (38%)



Cyan (57%)

Magenta (38%)

Yellow (62%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 20.9399, 28.9558, 15.5517 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 20.9399, 28.9558, 15.5517 by changing the saturation by 10% instead.



■ 20.9399, 28.9558,  
15.5517

■ 20.9399, 28.9558,  
15.5517

249.6967,  
297.0064, 238.4364

■ 13.1923, 19.0474,  
9.0566

■ 44.4795, 58.0069,  
36.5741

■ 7.6390, 11.7045,  
4.6808

■ 61.0022, 77.9183,  
51.9384

■ 3.9147, 6.5428,  
2.0058

■ 81.1807, 101.9328,  
71.0962

■ 1.6540, 3.1779,  
0.5588

■ 105.3803,  
130.4349, 94.4660

■ 0.4272, 1.2253,  
0.0000

133.9663,  
163.8089, 122.4664

■ 0.0000, 0.0822,  
0.0000

167.3041,

■ 0.0000, 0.0000,

202.4392, 155.5159

0.0000

205.7592,  
246.7102, 194.0330

■ 20.9399, 28.9558,  
15.5517

■ 20.9399, 28.9558,  
15.5517

■ 18.8480, 27.9544,  
12.0114

■ 23.3962, 30.1296,  
19.8832

■ 17.1004, 27.1137,  
9.2127

■ 26.2311, 31.4797,  
25.0476

■ 15.6785, 26.4258,  
7.1033


■ 29.4611, 33.0145,  
31.0863


■ 14.5607, 25.8812,  
5.6234


■ 33.1006, 34.7407,  
38.0370


■ 13.7227, 25.4687,  
4.7027


■ 37.1636, 36.6646,  
45.9354


 13.1225, 25.1702,  
4.1839

 41.6633, 38.7924,  
54.8153

 13.1031, 25.1606,  
4.1659

 46.6123, 41.1299,  
64.7087

 52.0228, 43.6826,  
75.6463

 57.9063, 46.4559,  
87.6574

# Harmonies

## Analogous

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



24.8522, 28.9558, 11.2552



20.9399, 28.9558, 15.5517



18.9227, 28.9558, 25.1223

# Triad

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



20.9399, 28.9558, 15.5517



25.1832, 28.9558, 68.2282



38.2781, 28.9558, 24.2641

# Complementary

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



20.9399, 28.9558, 15.5517



22.1191, 16.8895, 34.8966

# 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.



38.3960, 28.9558, 38.9393



20.9399, 28.9558, 15.5517



30.3756, 28.9558, 67.7764

# Square

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



20.9399, 28.9558, 15.5517



21.1558, 28.9558, 56.9262



35.3555, 28.9558, 55.8368



35.0512, 28.9558, 15.0946



# Rectangle

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



20.9399, 28.9558, 15.5517



18.7371, 28.9558, 34.6382



35.3555, 28.9558, 55.8368



38.6952, 28.9558, 28.6097

# Sweetspot

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



20.9406, 28.9570, 15.5523



51.1831, 58.3746, 52.6980



26.4294, 28.2543, 15.1274



11.3786, 13.0842, 11.5792



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.



20.9406, 28.9570, 15.5523



33.9989, 50.1794, 21.9158



20.1923, 28.4721, 19.9959



6.6818, 7.4686, 7.0751



10.3798, 19.8877, 3.2916



0.2176, 0.3721, 0.0604



# Inverse Universe

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



22.1191, 16.8895, 34.8966



36.3996, 25.3379, 61.7157



23.3795, 17.6964, 27.8547



6.7599, 6.6802, 8.3398



11.5071, 5.3611, 26.3355



0.2386, 0.1128, 0.4724



# Previews

## White Background



This preview shows how the XYZ color 20.9399, 28.9558, 15.5517 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 20.9399, 28.9558, 15.5517 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 20.9399, 28.9558, 15.5517**

## **Background**



This preview shows how black text looks on a background with the XYZ color 20.9399, 28.9558, 15.5517.



This preview shows how white text looks on a background with the XYZ color 20.9399, 28.9558,



# 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

20.9399, 28.9558, 15.5517

### Protanopia

26.4653, 28.6840, 14.0392

### Deuteranopia

29.1339, 28.6749, 16.0559



## Tritanopia

25.5626, 28.8425, 38.8702

# Trichromacy



## Original Color

20.9399, 28.9558, 15.5517

## Protanomaly

24.0269, 28.5863, 14.6073

## Deuteranomaly

25.4483, 28.3476, 15.9347

## Tritanomaly

23.5519, 28.7572, 28.7355

# Monochromacy



## Original Color

20.9399, 28.9558, 15.5517

## Achromatopsia

23.7775, 25.0158, 27.2422

## Achromatomaly

22.3906, 26.1680, 22.2832

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 20.9399, 28.9558, 15.5517 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(110, 159, 96)` looks like.

```
.text, #text, p{  
    color:rgb(110, 159, 96)  
}
```

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(110, 159, 96) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(110, 159, 96) }
```

## Border

The CSS property to change the border of an element to XYZ 20.9399, 28.9558, 15.5517 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(110, 159, 96) }
```



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

```
.border{ border-color:rgb(110, 159, 96) }
```

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

Here you see how a box with a 4 pixel rgb(110, 159, 96) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(110, 159, 96); -webkit-box-  
shadow:4px 4px 4px 4px rgb(110, 159, 96);  
box-shadow:4px 4px 4px 4px rgb(110, 159,  
96) }
```

# Background

The CSS property to change the background color of an element to XYZ 20.9399, 28.9558, 15.5517 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(110, 159, 96) }
```

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

```
.background{ background-color: rgb(110,  
159, 96) }
```

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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