

# Converting Colors

XYZ(30.1525, 37.4025, 20.3820)

Have a look what the booklet for  
XYZ(30.1525, 37.4025, 20.3820)  
contains.

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# Color

**XYZ(30.1525, 37.4025,  
20.3820)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	95AD6E
RGB	149, 173, 110
RGB Percent	58%, 68%, 43%
CMY	0.4157, 0.3216, 0.5686
CMYK	0.14, 0.00, 0.36, 0.32
HSL	83°, 28%, 55%
HSV	83°, 36%, 68%
XYZ	30.1525, 37.4025, 20.3820
YIQ	158.6420, 5.9190, -24.6810

# Conversions

## Conversions Part 2

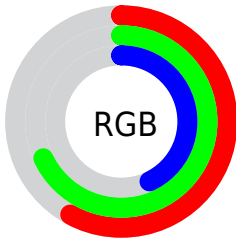
Format	Color
<a href="#">RYB</a>	<a href="#">110, 173, 134</a>
Decimal	<a href="#">9809262</a>
CIELab	<a href="#">67.58, -19.24, 29.69</a>
CIELCh	<a href="#">68, 35.381, 122.945</a>
Yxy	<a href="#">37.4025, 0.3429, 0.4253</a>
Android (android.graphics.Color)	<a href="#">4287999342</a> ( <a href="#">0xFF95AD6E</a> )
YUV	<a href="#">158.6420, -23.9805, -8.4560</a>
Hunter-Lab	<a href="#">61.1576, -19.0200, 23.0507</a>

# Details

The XYZ color **30.1525, 37.4025, 20.3820** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **22.9517, 19.2383, 42.0409**, and the grayscale version is **32.8961, 34.6092, 37.6895**.

A 20% lighter version of the original color is **59.1668, 70.9328, 44.7554**, and **12.6094, 16.5531, 6.9453** is the 20% darker color. If you saturate the color by 10%, you get **28.1326, 36.4608, 15.8416**, and if you desaturate by 10%, it is **32.4263, 38.4562, 25.8958**.

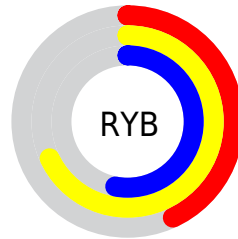
# Distribution



Red (58%)

Green (68%)

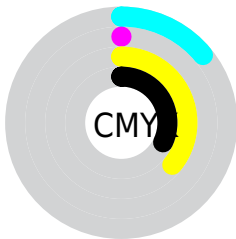
Blue (43%)



Red (43%)

Yellow (68%)

Blue (53%)

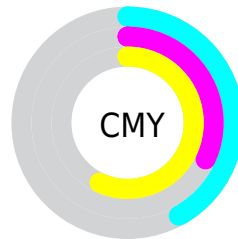


Cyan (14%)

Magenta (0%)

Yellow (36%)

Black (32%)



Cyan (42%)

Magenta (32%)


Yellow (57%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 30.1525, 37.4025, 20.3820 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 30.1525, 37.4025, 20.3820 by changing the saturation by 10% instead.





 30.1525, 37.4025,  
20.3820


 30.1525, 37.4025,  
20.3820


294.5117,  
335.0499, 266.6480

 20.1030, 25.5193,  
12.4862

 59.2882, 71.1914,  
44.9241


 12.5786, 16.4644,  
6.9492


 79.1052, 93.8659,  
62.4074

 7.2140, 9.8533,  
3.3524


 102.9087,  
120.9062, 83.9237

 3.6438, 5.3018,  
1.2772

 131.0641,  
152.6968, 109.8915

 1.5027, 2.4254,  
0.0430

163.9367,  
189.6221, 140.7292

 0.3277, 0.8389,  
0.0000

201.8920,

 0.0000, 0.0000,

232.0664, 176.8555

0.0000

245.2952,  
280.4142, 218.6889

■ 30.1525, 37.4025,  
20.3820

■ 30.1525, 37.4025,  
20.3820

■ 28.1326, 36.4608,  
15.8416

■ 32.4263, 38.4562,  
25.8958

■ 26.3519, 35.6212,  
12.2155

■ 34.9621, 39.6214,  
32.4326

■ 24.7983, 34.8801,  
9.4419


■ 37.7712, 40.9040,  
40.0417


■ 23.4574, 34.2315,  
7.4506


■ 40.8631, 42.3080,  
48.7683


■ 22.3123, 33.6686,  
6.1598


■ 44.2469, 43.8371,  
58.6550


 21.3408, 33.1823,  
5.4581

 47.9314, 45.4949,  
69.7424

 21.0186, 33.0201,  
5.2657

 51.9248, 47.2849,  
82.0689

 56.2351, 49.2103,  
95.6713

 59.0976, 50.5655,  
101.2531

# Harmonies

## Analogous

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



35.0145, 37.4025, 17.5125



30.1525, 37.4025, 20.3820



27.0140, 37.4025, 28.5478

# Triad

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



30.1525, 37.4025, 20.3820



30.9955, 37.4025, 73.7072



47.0699, 37.4025, 39.2030

# Complementary

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



30.1525, 37.4025, 20.3820



22.9517, 19.2383, 42.0409

# 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.



45.7177, 37.4025, 55.9496



30.1525, 37.4025, 20.3820



36.0908, 37.4025, 78.6291

# Square

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



30.1525, 37.4025, 20.3820



27.4646, 37.4025, 59.3140



41.5559, 37.4025, 71.4418



45.0842, 37.4025, 26.4926



# Rectangle

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



30.1525, 37.4025, 20.3820



26.1353, 37.4025, 37.1507



41.5559, 37.4025, 71.4418



46.9910, 37.4025, 44.5214

# Sweetspot

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



30.1534, 37.4041, 20.3828



65.1785, 72.1298, 64.9569



28.4506, 26.8137, 18.4284



14.0232, 15.6108, 13.7340



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123



# Same Dimension

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



30.1534, 37.4041, 20.3828



50.9478, 65.5616, 29.5946



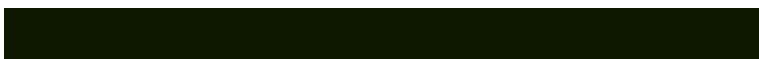
25.2849, 34.8943, 20.1550



8.3626, 9.1755, 8.5437



15.5056, 24.2905, 3.8713



0.4897, 0.7058, 0.1104



# Inverse Universe

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



22.9517, 19.2383, 42.0409



36.0889, 28.0558, 74.3190



28.5541, 22.1264, 42.3031



7.8566, 7.9004, 10.0635



7.2470, 3.0958, 29.2601



0.2636, 0.1181, 0.8169



# Previews

## White Background



This preview shows how the XYZ color 30.1525, 37.4025, 20.3820 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 30.1525, 37.4025, 20.3820 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 30.1525, 37.4025, 20.3820**

## **Background**



This preview shows how black text looks on a background with the XYZ color 30.1525, 37.4025, 20.3820.



This preview shows how white text looks on a background with the XYZ color 30.1525, 37.4025,



# 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

30.1525, 37.4025, 20.3820

### Protanopia

34.4674, 37.1752, 18.9946

### Deuteranopia

37.8026, 37.0420, 20.7802



## Tritanopia

35.5916, 37.3937, 47.4613

# Trichromacy



**Original Color**

30.1525, 37.4025, 20.3820

**Protanomaly**

32.6210, 37.0238, 19.3369

**Deuteranomaly**

34.6122, 36.9479, 20.6366

**Tritanomaly**

33.2700, 37.2737, 35.5780

# Monochromacy



**Original Color**

30.1525, 37.4025, 20.3820

**Achromatopsia**

32.9542, 34.6704, 37.7561

**Achromatomaly**

31.6007, 35.4426, 30.3749

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 30.1525, 37.4025, 20.3820 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(149, 173, 110)` looks like.

```
.text, #text, p{  
    color:rgb(149, 173, 110)  
}
```

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(149, 173, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(149, 173, 110) }
```

## Border

The CSS property to change the border of an element to XYZ 30.1525, 37.4025, 20.3820 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(149, 173, 110) }
```



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

```
.border{ border-color:rgb(149, 173, 110) }
```

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

Here you see how a box with a 4 pixel `rgb(149, 173, 110)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(149, 173, 110); -webkit-box-  
shadow:4px 4px 4px 4px rgb(149, 173, 110);  
box-shadow:4px 4px 4px 4px rgb(149, 173,  
110) }
```

# Background

The CSS property to change the background color of an element to XYZ 30.1525, 37.4025, 20.3820 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(149, 173, 110) }
```

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

```
.background{ background-color: rgb(149,  
173, 110) }
```

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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