

# Converting Colors

XYZ(19.5233, 12.7592, 2.6621)

Have a look what the booklet for  
XYZ(19.5233, 12.7592, 2.6621)  
contains.

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# Color

**XYZ(19.5233, 12.7592,  
2.6621)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	AE401E
RGB	174, 64, 30
RGB Percent	68%, 25%, 12%
CMY	0.3176, 0.7490, 0.8823
CMYK	0.00, 0.63, 0.83, 0.32
HSL	14°, 71%, 40%
HSV	14°, 83%, 68%
XYZ	19.5233, 12.7592, 2.6621
YIQ	93.0140, 76.4740, 12.7460

# Conversions

## Conversions Part 2

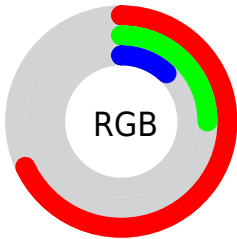
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">174, 75, 30</a>
Decimal	<a href="#">11419678</a>
CIELab	<a href="#">42.40, 43.30, 42.64</a>
CIElCh	<a href="#">42, 60.768, 44.561</a>
Yxy	<a href="#">12.7592, 0.5587, 0.3651</a>
Android (android.graphics.Color)	<a href="#">4289609758 (0xFFAE401E)</a>
YUV	<a href="#">93.0140, -31.0659, 71.0247</a>
Hunter-Lab	<a href="#">35.7200, 35.0517, 20.5853</a>

# Details

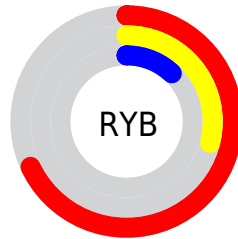
The XYZ color **19.5233, 12.7592, 2.6621** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **17.5526, 22.0864, 43.3821**, and the grayscale version is **10.4661, 11.0111, 11.9911**.

A 20% lighter version of the original color is **42.1770, 30.8595, 10.7547**, and **6.9720, 3.6425, 0.3356** is the 20% darker color. If you saturate the color by 10%, you get **18.6970, 11.3696, 1.5765**, and if you desaturate by 10%, it is **20.6514, 14.5566, 4.4532**.

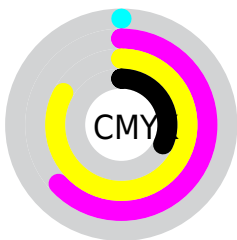
# Distribution



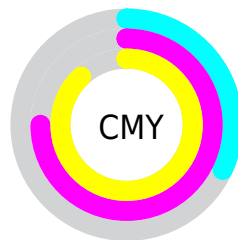
- Red (68%)
- Green (25%)
- Blue (12%)



- Red (68%)
- Yellow (29%)
- Blue (12%)



- Cyan (0%)
- Magenta (63%)
- Yellow (83%)
- Black (32%)




- Cyan (32%)
- Magenta (75%)
- Yellow (88%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 19.5233, 12.7592, 2.6621 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 19.5233, 12.7592, 2.6621 by changing the saturation by 10% instead.





 19.5233, 12.7592,  
2.6621


 19.5233, 12.7592,  
2.6621


242.2057,  
209.3686, 131.9333


 12.1553, 7.2629,  
0.9243


 42.1266, 30.8705,  
10.7826


 6.9225, 3.6271,  
0.0000


 58.0925, 44.2543,  
18.0029


 3.4595, 1.4672,  
0.0000


 77.6551, 61.0361,  
27.8879

 1.4012, 0.2655,  
0.0000

 101.1798, 81.6003,  
40.8563

 0.2571, 0.0000,  
0.0000

 129.0318,  
106.3312, 57.3264

 0.0000, 0.0000,  
0.0000

 161.5765,

135.6133, 77.7170

199.1794,  
169.8310, 102.4464

19.5233, 12.7592,  
2.6621

19.5233, 12.7592,  
2.6621

18.6970, 11.3696,  
1.5765

20.6514, 14.5566,  
4.4532

18.2515, 10.5907,  
1.0823

22.1098, 16.7900,  
7.0464

23.9243, 19.4873,  
10.5233

26.1176, 22.6734,  
14.9555

28.7105, 26.3713,  
20.4070

■ 31.7223, 30.6026,  
26.9362

■ 35.1709, 35.3877,  
34.5972

■ 39.0732, 40.7456,  
43.4405

■ 43.4451, 46.6948,  
53.5132

# Harmonies

## Analogous

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



22.7692, 12.7592, 8.4796



19.5233, 12.7592, 2.6621



14.6189, 12.7592, 1.0164

# Triad

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



19.5233, 12.7592, 2.6621



5.4784, 12.7592, 8.2146



14.4721, 12.7592, 55.2295

# Complementary

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



19.5233, 12.7592, 2.6621



17.5526, 22.0864, 43.3821

# 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.



9.9361, 12.7592, 54.9795



19.5233, 12.7592, 2.6621



5.4579, 12.7592, 21.2247

# Square

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



19.5233, 12.7592, 2.6621



6.9494, 12.7592, 2.5726



6.8840, 12.7592, 40.0718



19.3929, 12.7592, 40.6265



# Rectangle

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



19.5233, 12.7592, 2.6621



11.4421, 12.7592, 0.8757



6.8840, 12.7592, 40.0718



12.8392, 12.7592, 57.0773

# Sweetspot

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



19.5236, 12.7599, 2.6623



55.9984, 53.3528, 45.4824



22.6829, 11.8325, 26.0542



12.0246, 11.2662, 9.1934



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832



# Same Dimension

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



19.5236, 12.7599, 2.6623



33.0571, 19.0914, 2.0079



26.4377, 26.5882, 4.9670



8.1531, 8.3110, 8.3878



13.2774, 7.7602, 0.7981



0.4110, 0.2992, 0.0361



# Inverse Universe

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



17.5526, 22.0864, 43.3821



29.0016, 35.7879, 78.0161



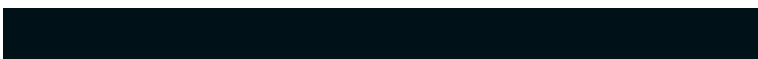
10.2668, 7.5149, 40.9535



8.0736, 8.7466, 10.2154



11.6630, 14.4599, 31.2209

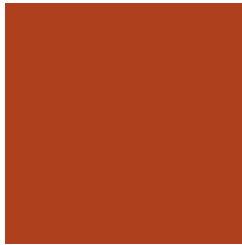


0.3629, 0.4792, 0.8814



# Previews

## White Background



This preview shows how the XYZ color 19.5233, 12.7592, 2.6621 looks on a white 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



# Black Background



This preview shows how the XYZ color 19.5233, 12.7592, 2.6621 looks on a black 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

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

**XYZ 19.5233, 12.7592, 2.6621**

## **Background**



This preview shows how black text looks on a background with the XYZ color 19.5233, 12.7592, 2.6621.



This preview shows how white text looks on a background with the XYZ color 19.5233, 12.7592,



# 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

19.5233, 12.7592, 2.6621

### Protanopia

11.8467, 12.9713, 3.8868

### Deuteranopia

13.0444, 12.9214, 2.3788



## Tritanopia

20.2205, 12.7158, 6.2392

# Trichromacy



## Original Color

19.5233, 12.7592, 2.6621

## Protanomaly

13.7998, 12.2577, 3.3077

## Deuteranomaly

14.8167, 12.3279, 2.3576

## Tritanomaly

19.9678, 12.6994, 4.6476

# Monochromacy



## Original Color

19.5233, 12.7592, 2.6621

## Achromatopsia

10.4043, 10.9462, 11.9204

## Achromatomaly

12.1488, 10.6144, 7.2028

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 19.5233, 12.7592, 2.6621 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(174, 64, 30)` looks like.

```
.text, #text, p{  
    color:rgb(174, 64, 30)  
}
```

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(174, 64, 30) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 64, 30) }
```

## Border

The CSS property to change the border of an element to XYZ 19.5233, 12.7592, 2.6621 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(174, 64, 30) }
```



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

```
.border{ border-color:rgb(174, 64, 30) }
```

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

Here you see how a box with a 4 pixel rgb(174, 64, 30) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 64, 30); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 64, 30);  
box-shadow:4px 4px 4px 4px rgb(174, 64,  
30) }
```

# Background

The CSS property to change the background color of an element to XYZ 19.5233, 12.7592, 2.6621 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 64, 30) }
```

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

```
.background{ background-color: rgb(174, 64,  
30) }
```

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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