

# Converting Colors

XYZ(20.8011, 14.1005, 3.5448)

Have a look what the booklet for  
XYZ(20.8011, 14.1005, 3.5448)  
contains.

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# Color

**XYZ(20.8150, 14.1283,  
3.5494)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	B14827
RGB	177, 72, 39
RGB Percent	69%, 28%, 15%
CMY	0.3059, 0.7176, 0.8471
CMYK	0.00, 0.59, 0.78, 0.31
HSL	14°, 64%, 42%
HSV	14°, 78%, 69%
XYZ	20.8150, 14.1283, 3.5494
YIQ	99.6330, 73.1730, 11.9970

# Conversions

## Conversions Part 2

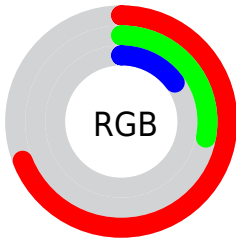
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	177, 82, 39
Decimal	11618343
CIE Lab	44.42, 40.97, 40.28
CIE LCh	44, 57.449, 44.514
Yxy	14.1283, 0.5408, 0.3670
Android (android.graphics.Color)	4289808423 (0xFFB14827)
YUV	99.6330, -29.8921, 67.8509
Hunter-Lab	37.5876, 33.0701, 20.7126

# Details

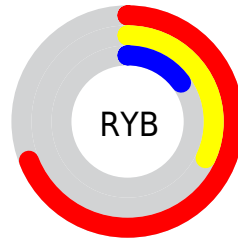
The XYZ color **20.8150, 14.1283, 3.5494** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **18.7448, 23.5502, 45.1523**, and the grayscale version is **12.0808, 12.7099, 13.8411**.

A 20% lighter version of the original color is **44.1473, 33.2643, 12.8979**, and **7.6875, 4.2842, 0.4217** is the 20% darker color. If you saturate the color by 10%, you get **19.8099, 12.4831, 2.0896**, and if you desaturate by 10%, it is **22.1483, 16.2112, 5.7936**.

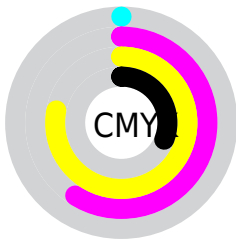
# Distribution



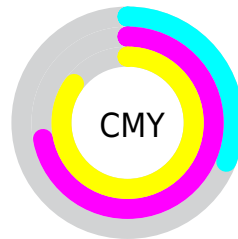
- Red (69%)
- Green (28%)
- Blue (15%)



- Red (69%)
- Yellow (32%)
- Blue (15%)



- Cyan (0%)
- Magenta (59%)
- Yellow (78%)
- Black (31%)



- Cyan (31%)
- Magenta (72%)
- Yellow (85%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 20.8150, 14.1283, 3.5494 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 20.8150, 14.1283, 3.5494 by changing the saturation by 10% instead.



■ 20.8150, 14.1283,  
3.5494

■ 20.8150, 14.1283,  
3.5494

249.0440,  
218.0275, 143.0769

■ 13.1005, 8.2100,  
1.3816

■ 44.2730, 33.3165,  
12.9564

■ 7.5753, 4.2296,  
0.1273

■ 60.7473, 47.3552,  
21.0327

■ 3.8739, 1.8028,  
0.0000

■ 80.8722, 64.8694,  
31.9155

■ 1.6310, 0.4889,  
0.0000

■ 105.0132, 86.2435,  
46.0235

■ 0.4125, 0.0000,  
0.0000

■ 133.5355,  
111.8620, 63.7750

■ 0.0000, 0.0000,  
0.0000

■ 166.8045,

142.1093, 85.5888

205.1855,  
177.3696, 111.8832

20.8150, 14.1283,  
3.5494

20.8150, 14.1283,  
3.5494

19.8099, 12.4831,  
2.0896

22.1483, 16.2112,  
5.7936

19.0922, 11.2373,  
1.2662

23.8370, 18.7591,  
8.9141

18.9712, 11.0267,  
1.1285

25.9066, 21.7997,  
12.9906

28.3795, 25.3577,  
18.0938

31.2766, 29.4561,  
24.2873

■ 34.6171, 34.1165,  
31.6298

■ 38.4190, 39.3594,  
40.1758

■ 42.6995, 45.2041,  
49.9761

■ 47.4745, 51.6690,  
61.0788

# Harmonies

## Analogous

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



24.0004, 14.1283, 9.8455



20.8150, 14.1283, 3.5494



15.9439, 14.1283, 1.5820

# Triad

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



20.8150, 14.1283, 3.5494



6.5557, 14.1283, 9.5391



15.7813, 14.1283, 55.5204

# Complementary

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



20.8150, 14.1283, 3.5494



18.7448, 23.5502, 45.1523

# 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.



11.1927, 14.1283, 55.2580



20.8150, 14.1283, 3.5494



6.5315, 14.1283, 22.6845

# Square

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



20.8150, 14.1283, 3.5494



8.1118, 14.1283, 3.4358



8.0359, 14.1283, 41.0166



20.6726, 14.1283, 41.6062



# Rectangle

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



20.8150, 14.1283, 3.5494



12.7411, 14.1283, 1.4036



8.0359, 14.1283, 41.0166



14.1402, 14.1283, 57.2639

# Sweetspot

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



20.8153, 14.1291, 3.5496



58.6511, 56.4449, 49.2499



23.9522, 12.8363, 27.9224



12.2660, 11.6104, 9.7014



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.



20.8153, 14.1291, 3.5496



34.4620, 20.5943, 2.5661



27.9048, 28.3081, 5.9128



8.6559, 8.8244, 8.8996



13.7859, 8.0703, 0.8311



0.4795, 0.3455, 0.0414



# Inverse Universe

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



18.7448, 23.5502, 45.1523



30.2914, 37.5788, 80.1522



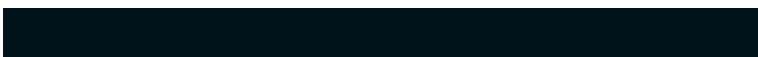
11.3432, 8.7471, 42.6851



8.5670, 9.2802, 10.8461



12.0421, 14.8846, 32.3753

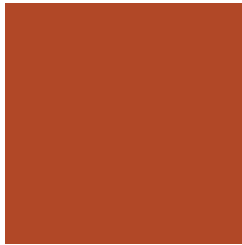


0.4206, 0.5518, 1.0326



# Previews

## White Background



This preview shows how the XYZ color 20.8150, 14.1283, 3.5494 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 20.8150, 14.1283, 3.5494 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 20.8150, 14.1283, 3.5494**

## **Background**



This preview shows how black text looks on a background with the XYZ color 20.8150, 14.1283, 3.5494.



This preview shows how white text looks on a background with the XYZ color 20.8150, 14.1283,

3.5494.

# 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

20.8150, 14.1283, 3.5494

### Protanopia

13.0445, 14.3117, 4.9806

### Deuteranopia

14.4774, 14.1998, 3.2741



## Tritanopia

21.5969, 14.0671, 7.7078

# Trichromacy



## Original Color

20.8150, 14.1283, 3.5494

## Protanomaly

15.1238, 13.6838, 4.3268

## Deuteranomaly

16.3393, 13.8174, 3.3192

## Tritanomaly

21.3038, 14.0475, 5.8636

# Monochromacy



## Original Color

20.8150, 14.1283, 3.5494

## Achromatopsia

12.1130, 12.7438, 13.8780

## Achromatomaly

13.9334, 12.4516, 8.8768

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 20.8150, 14.1283, 3.5494 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(177, 72, 39)` looks like.

```
.text, #text, p{  
    color:rgb(177, 72, 39)  
}
```

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(177, 72, 39) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 72, 39) }
```

## Border

The CSS property to change the border of an element to XYZ 20.8150, 14.1283, 3.5494 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(177, 72, 39) }
```



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

```
.border{ border-color:rgb(177, 72, 39) }
```

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

Here you see how a box with a 4 pixel rgb(177, 72, 39) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 72, 39); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 72, 39);  
box-shadow:4px 4px 4px 4px rgb(177, 72,  
39) }
```

# Background

The CSS property to change the background color of an element to XYZ 20.8150, 14.1283, 3.5494 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 72, 39) }
```

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

```
.background{ background-color: rgb(177, 72,  
39) }
```

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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