

Converting Colors

XYZ(20.8756, 14.1528, 2.1974)

Have a look what the booklet for
XYZ(20.8756, 14.1528, 2.1974)
contains.

XYZ(20.7866, 14.1434, 2.2066)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(20.7866, 14.1434,
2.2066)**

Conversions

Conversions Part 1

Format	Color
Hex	B24812
RGB	178, 72, 18
RGB Percent	70%, 28%, 7%
CMY	0.3020, 0.7176, 0.9294
CMYK	0.00, 0.60, 0.90, 0.30
HSL	20°, 82%, 38%
HSV	20°, 90%, 70%
XYZ	20.7866, 14.1434, 2.2066
YIQ	97.5380, 80.5100, 5.6780

Conversions

Conversions Part 2

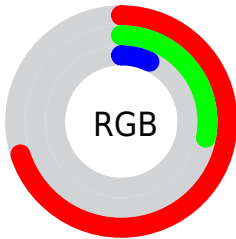
Format	Color
R _Y B	178, 100, 18
Decimal	11683858
CIE Lab	44.44, 40.74, 49.68
CIE LCh	44, 64.242, 50.647
Yxy	14.1434, 0.5597, 0.3808
Android (android.graphics.Color)	4289873938 (0xFFB24812)
YUV	97.5380, -39.2122, 70.5652
Hunter-Lab	37.6077, 32.8473, 22.8466

Details

The XYZ color **20.7866, 14.1434, 2.2066** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **15.4920, 17.7565, 44.7298**, and the grayscale version is **11.5755, 12.1783, 13.2622**.

A 20% lighter version of the original color is **44.1862, 33.3579, 9.5787**, and **7.6875, 4.2842, 0.4217** is the 20% darker color. If you saturate the color by 10%, you get **19.9882, 12.7197, 1.4074**, and if you desaturate by 10%, it is **21.8300, 15.9005, 3.5717**.

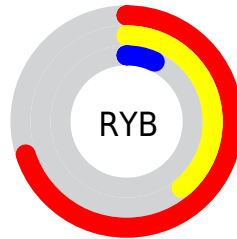
Distribution



Red (70%)

Green (28%)

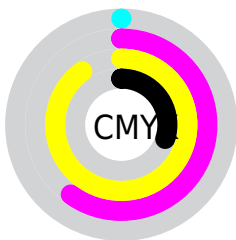
Blue (7%)



Red (70%)

Yellow (39%)

Blue (7%)

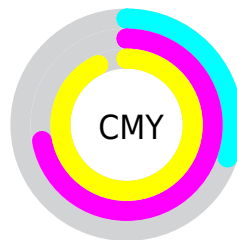


Cyan (0%)

Magenta (60%)

Yellow (90%)

Black (30%)



Cyan (30%)


Magenta (72%)


Yellow (93%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.7866, 14.1434, 2.2066 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 20.7866, 14.1434, 2.2066 by changing the saturation by 10% instead.


 20.7866, 14.1434,
2.2066


 20.7866, 14.1434,
2.2066


248.8954,
218.1211, 125.5066


 13.0797, 8.2205,
0.6782


 44.2261, 33.3433,
9.5983


 7.5608, 4.2363,
0.0000


 60.6893, 47.3890,
16.3260


 3.8647, 1.8066,
0.0000

 80.8020, 64.9111,
25.6330

 1.6259, 0.4913,
0.0000

 104.9296, 86.2939,
37.9379

 0.4092, 0.0000,
0.0000


 133.4374,
111.9220, 53.6592


 0.0000, 0.0000,
0.0000


 166.6907,


142.1796, 73.2153


 205.0549,
177.4512, 97.0250


 20.7866, 14.1434,
2.2066


 20.7866, 14.1434,
2.2066


 19.9882, 12.7197,
1.4074


 21.8300, 15.9005,
3.5717

 19.9801, 12.7052,
1.3993

 23.1620, 18.0187,
5.6983

 24.8078, 20.5202,
8.6822

 26.7891, 23.4246,
12.6049

 29.1255, 26.7498,
17.5383

■ 31.8349, 30.5126,
23.5470

■ 34.9340, 34.7288,
30.6903

■ 38.4384, 39.4135,
39.0233

■ 42.3627, 44.5808,
48.5972

Harmonies

Analogous

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



25.0621, 14.1434, 7.3817



20.7866, 14.1434, 2.2066



15.1248, 14.1434, 0.9249

Triad

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



20.7866, 14.1434, 2.2066



5.8240, 14.1434, 11.2192



17.2634, 14.1434, 60.3859

Complementary

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



20.7866, 14.1434, 2.2066



15.4920, 17.7565, 44.7298

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.



11.8905, 14.1434, 64.0656



20.7866, 14.1434, 2.2066



6.1189, 14.1434, 27.7842

Square

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



20.7866, 14.1434, 2.2066



7.1259, 14.1434, 3.4795



8.0714, 14.1434, 49.5913



22.6926, 14.1434, 41.4407

Rectangle

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



20.7866, 14.1434, 2.2066



11.6879, 14.1434, 0.9425



8.0714, 14.1434, 49.5913



15.3653, 14.1434, 63.7772

Sweetspot

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



20.7869, 14.1442, 2.2068



59.0253, 57.1070, 45.6434



22.2566, 11.3697, 20.3120



12.6806, 12.1081, 9.2125



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



20.7869, 14.1442, 2.2068



36.0426, 22.6595, 2.4741



29.5893, 31.7490, 5.1410



8.7230, 8.9585, 8.9219



14.3490, 9.1966, 1.0188



0.5068, 0.3999, 0.0505

Inverse Universe

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



15.4920, 17.7565, 44.7298



26.0826, 28.8490, 80.5749



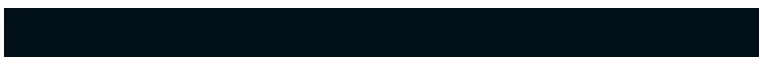
9.2110, 5.1944, 42.6361



8.4962, 9.1387, 10.8225



10.4381, 11.6766, 31.8406



0.3797, 0.4699, 1.0189

Previews

White Background



This preview shows how the XYZ color 20.7866, 14.1434, 2.2066 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 20.7866, 14.1434, 2.2066 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 20.7866, 14.1434, 2.2066

Background



This preview shows how black text looks on a background with the XYZ color 20.7866, 14.1434, 2.2066.



This preview shows how white text looks on a background with the XYZ color 20.7866, 14.1434,

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

20.7866, 14.1434, 2.2066

Protanopia

12.9596, 14.3091, 3.1158

Deuteranopia

14.3887, 14.1827, 1.9792



Tritanopia

21.9669, 14.1725, 7.5390

Trichromacy



Original Color

20.7866, 14.1434, 2.2066

Protanomaly

14.9828, 13.6468, 2.7086

Deuteranomaly

16.2722, 13.8117, 2.0093

Tritanomaly

21.3384, 14.0879, 4.8434

Monochromacy



Original Color

20.7866, 14.1434, 2.2066

Achromatopsia

11.6093, 12.2139, 13.3009

Achromatomaly

13.3990, 12.0865, 7.2569

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.7866, 14.1434, 2.2066 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(178, 72, 18)` looks like.

```
.text, #text, p{  
    color:rgb(178, 72, 18)  
}
```

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(178, 72, 18) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 72, 18) }
```

Border

The CSS property to change the border of an element to XYZ 20.7866, 14.1434, 2.2066 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(178, 72, 18) }
```


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

```
.border{ border-color:rgb(178, 72, 18) }
```

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

Here you see how a box with a 4 pixel rgb(178, 72, 18) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 72, 18); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 72, 18);  
box-shadow:4px 4px 4px 4px rgb(178, 72,  
18) }
```

Background

The CSS property to change the background color of an element to XYZ 20.7866, 14.1434, 2.2066 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 72, 18) }
```

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

```
.background{ background-color: rgb(178, 72,  
18) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor