

Converting Colors

XYZ(21.4257, 14.0599, 2.2308)

Have a look what the booklet for
XYZ(21.4257, 14.0599, 2.2308)
contains.

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Color

**XYZ(21.4848, 14.1298,
2.2568)**

Conversions

Conversions Part 1

Format	Color
Hex	B64414
RGB	182, 68, 20
RGB Percent	71%, 27%, 8%
CMY	0.2863, 0.7333, 0.9216
CMYK	0.00, 0.63, 0.89, 0.29
HSL	18°, 80%, 40%
HSV	18°, 89%, 71%
XYZ	21.4848, 14.1298, 2.2568
YIQ	96.6140, 83.3520, 9.2400

Conversions

Conversions Part 2

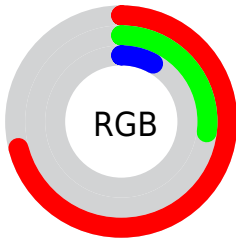
Format	Color
RYB	182, 88, 20
Decimal	11944980
CIELab	44.42, 44.16, 49.23
CIElCh	44, 66.132, 48.112
Yxy	14.1298, 0.5673, 0.3731
Android (android.graphics.Color)	4290135060 (0xFFB64414)
YUV	96.6140, -37.7707, 74.8835
Hunter-Lab	37.5896, 36.2420, 22.7531

Details

The XYZ color **21.4848, 14.1298, 2.2568** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **17.2564, 20.5749, 47.3175**, and the grayscale version is **11.3435, 11.9343, 12.9964**.

A 20% lighter version of the original color is **45.4468, 33.2751, 9.6576**, and **7.9828, 4.2603, 0.4016** is the 20% darker color. If you saturate the color by 10%, you get **20.6769, 12.7004, 1.4134**, and if you desaturate by 10%, it is **22.5730, 15.9435, 3.7386**.

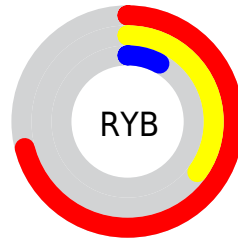
Distribution



Red (71%)

Green (27%)

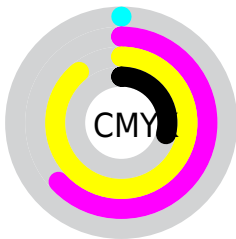
Blue (8%)



Red (71%)

Yellow (35%)

Blue (8%)

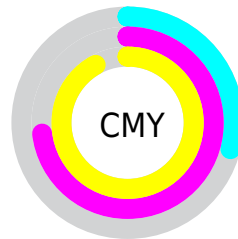


Cyan (0%)

Magenta (63%)

Yellow (89%)

Black (29%)



Cyan (29%)

Magenta (73%)

Yellow (92%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.4848, 14.1298, 2.2568 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 21.4848, 14.1298, 2.2568 by changing the saturation by 10% instead.

■ 21.4848, 14.1298,
2.2568

■ 21.4848, 14.1298,
2.2568

252.5271,
218.0368, 126.2449

■ 13.5933, 8.2110,
0.7069

■ 45.3782, 33.3192,
9.7317

■ 7.9182, 4.2303,
0.0000

■ 62.1109, 47.3585,
16.5159

■ 4.0940, 1.8032,
0.0000

■ 82.5212, 64.8735,
25.8895

■ 1.7554, 0.4892,
0.0000

■ 106.9748, 86.2485,
38.2708

■ 0.4906, 0.0000,
0.0000


■ 135.8367,
111.8680, 54.0785


■ 0.0000, 0.0000,
0.0000


■ 169.4726,


142.1162, 73.7310


 208.2475,
177.3777, 97.6470


 21.4848, 14.1298,
2.2568


 21.4848, 14.1298,
2.2568


 20.6769, 12.7004,
1.4134


 22.5730, 15.9435,
3.7386

 20.6073, 12.5770,
1.3415

 23.9840, 18.1726,
6.0367

 25.7459, 20.8439,
9.2518

 27.8830, 23.9813,
13.4693

 30.4174, 27.6063,
18.7649

■ 33.3693, 31.7396,
25.2070

■ 36.7573, 36.4002,
32.8581

■ 40.5991, 41.6062,
41.7763

■ 44.9110, 47.3750,
52.0159

Harmonies

Analogous

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



25.6900, 14.1298, 7.9555



21.4848, 14.1298, 2.2568



15.6498, 14.1298, 0.8299

Triad

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



21.4848, 14.1298, 2.2568



5.7000, 14.1298, 10.1037



16.8682, 14.1298, 63.4184

Complementary

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



21.4848, 14.1298, 2.2568



17.2564, 20.5749, 47.3175

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.



11.4306, 14.1298, 65.5586



21.4848, 14.1298, 2.2568



5.8639, 14.1298, 26.4097

Square

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



21.4848, 14.1298, 2.2568



7.1625, 14.1298, 2.9420



7.6916, 14.1298, 49.1314



22.5771, 14.1298, 44.4133

Rectangle

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



21.4848, 14.1298, 2.2568



12.0374, 14.1298, 0.7770



7.6916, 14.1298, 49.1314



14.9259, 14.1298, 66.4440

Sweetspot

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



21.4851, 14.1306, 2.2570



61.3998, 58.7925, 47.7078



23.9925, 12.2258, 24.4252



13.1312, 12.3886, 9.5820



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

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



21.4851, 14.1306, 2.2570



37.1825, 22.4451, 2.3726



29.8358, 30.8319, 5.0406



9.2157, 9.4344, 9.4422



14.6040, 8.9845, 0.9645



0.5705, 0.4280, 0.0525

Inverse Universe

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



17.2564, 20.5749, 47.3175



29.1039, 33.7150, 85.2094



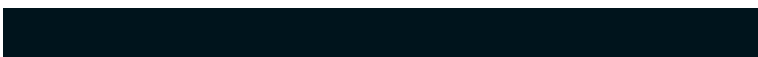
10.1030, 6.2682, 44.9331



9.0359, 9.7490, 11.4849



11.4801, 13.4199, 33.2383



0.4558, 0.5752, 1.1888

Previews

White Background



This preview shows how the XYZ color 21.4848, 14.1298, 2.2568 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 21.4848, 14.1298, 2.2568 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 21.4848, 14.1298, 2.2568

Background



This preview shows how black text looks on a background with the XYZ color 21.4848, 14.1298, 2.2568.



This preview shows how white text looks on a background with the XYZ color 21.4848, 14.1298,

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

21.4848, 14.1298, 2.2568

Protanopia

12.9961, 14.3237, 3.3081

Tritanopia

22.3750, 14.1393, 6.8601

Trichromacy



Original Color

21.4848, 14.1298, 2.2568

Protanomaly

15.1689, 13.4797, 2.7796

Tritanomaly

21.9945, 14.0782, 4.5757

Monochromacy



Original Color

21.4848, 14.1298, 2.2568

Achromatopsia

11.3621, 11.9538, 13.0177

Achromatomaly

13.3041, 11.6744, 7.1824

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.4848, 14.1298, 2.2568 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(182, 68, 20)` looks like.

```
.text, #text, p{  
    color:rgb(182, 68, 20)  
}
```

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(182, 68, 20) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(182, 68, 20) }
```

Border

The CSS property to change the border of an element to XYZ 21.4848, 14.1298, 2.2568 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(182, 68, 20) }
```

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

```
.border{ border-color:rgb(182, 68, 20) }
```

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

Here you see how a box with a 4 pixel rgb(182, 68, 20) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(182, 68, 20); -webkit-box-  
shadow:4px 4px 4px 4px rgb(182, 68, 20);  
box-shadow:4px 4px 4px 4px rgb(182, 68,  
20) }
```


Background

The CSS property to change the background color of an element to XYZ 21.4848, 14.1298, 2.2568 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(182, 68, 20) }
```

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

```
.background{ background-color: rgb(182, 68,  
20) }
```

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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