

Converting Colors

XYZ(20.4999, 14.3111, 2.0427)

Have a look what the booklet for
XYZ(20.4999, 14.3111, 2.0427)
contains.

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Color

**XYZ(20.4869, 14.2888,
2.0261)**

Conversions

Conversions Part 1

Format	Color
Hex	B04B0C
RGB	176, 75, 12
RGB Percent	69%, 29%, 5%
CMY	0.3098, 0.7059, 0.9529
CMYK	0.00, 0.57, 0.93, 0.31
HSL	23°, 87%, 37%
HSV	23°, 93%, 69%
XYZ	20.4869, 14.2888, 2.0261
YIQ	98.0170, 80.4190, 1.8190

Conversions

Conversions Part 2

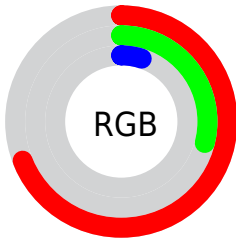
Format	Color
R _Y B	176, 114, 12
Decimal	11553548
CIE Lab	44.64, 38.39, 51.56
CIE LCh	45, 64.284, 53.329
Yxy	14.2888, 0.5567, 0.3883
Android (android.graphics.Color)	4289743628 (0xFFB04B0C)
YUV	98.0170, -42.4064, 68.3911
Hunter-Lab	37.8005, 30.5914, 23.2824

Details

The XYZ color **20.4869, 14.2888, 2.0261** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **13.8928, 15.0223, 43.2412**, and the grayscale version is **11.7025, 12.3120, 13.4078**.

A 20% lighter version of the original color is **43.6749, 33.4805, 9.1615**, and **7.5291, 4.3663, 0.4459** is the 20% darker color. If you saturate the color by 10%, you get **19.9482, 13.3177, 1.5192**, and if you desaturate by 10%, it is **21.4491, 15.9526, 3.1506**.

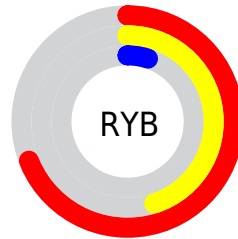
Distribution



Red (69%)

Green (29%)

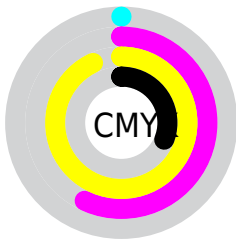
Blue (5%)



Red (69%)

Yellow (45%)

Blue (5%)

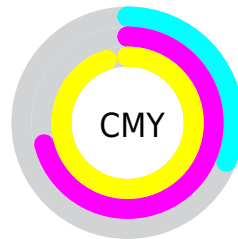


Cyan (0%)

Magenta (57%)

Yellow (93%)

Black (31%)



Cyan (31%)


Magenta (71%)


Yellow (95%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 20.4869, 14.2888, 2.0261 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 20.4869, 14.2888, 2.0261 by changing the saturation by 10% instead.


 20.4869, 14.2888,
2.0261


 20.4869, 14.2888,
2.0261


247.3226,
219.0201, 122.7807


 12.8598, 8.3218,
0.5713


 43.7298, 33.6006,
9.1120


 7.4084, 4.3015,
0.0000


 60.0762, 47.7142,
15.6312

 3.7674, 1.8436,
0.0000

 80.0598, 65.3121,
24.6925

 1.5714, 0.5142,
0.0000

 104.0459, 86.7787,
36.7146

 0.3737, 0.0000,
0.0000


 132.3999,
112.4984, 52.1159


 0.0000, 0.0000,
0.0000


 165.4871,


142.8556, 71.3150


 203.6729,
178.2347, 94.7304


 20.4869, 14.2888,
2.0261


 20.4869, 14.2888,
2.0261


 19.9482, 13.3177,
1.5192

 21.4491, 15.9526,
3.1506

 22.6670, 17.9279,
4.9767

 24.1651, 20.2340,
7.6032

 25.9637, 22.8873,
11.1127

 28.0812, 25.9032,
15.5773

■ 30.5344, 29.2958,
21.0616

■ 33.3385, 33.0784,
27.6245

■ 36.5080, 37.2637,
35.3204

■ 40.0563, 41.8636,
44.1999

Harmonies

Analogous

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



25.0156, 14.2888, 6.7365



20.4869, 14.2888, 2.0261



14.7786, 14.2888, 0.9176

Triad

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



20.4869, 14.2888, 2.0261



5.8621, 14.2888, 12.4570



17.9480, 14.2888, 59.5826

Complementary

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



20.4869, 14.2888, 2.0261



13.8928, 15.0223, 43.2412

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.



12.4501, 14.2888, 65.0063



20.4869, 14.2888, 2.0261



6.3018, 14.2888, 29.9132

Square

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



20.4869, 14.2888, 2.0261



7.0255, 14.2888, 3.9428



8.4330, 14.2888, 51.7897



23.3071, 14.2888, 39.7582

Rectangle

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



20.4869, 14.2888, 2.0261



11.3996, 14.2888, 1.0089



8.4330, 14.2888, 51.7897



16.0245, 14.2888, 63.5165

Sweetspot

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



20.4872, 14.2896, 2.0263



57.6839, 56.2610, 43.5311



21.0240, 10.6883, 16.6175



12.0502, 11.5810, 8.3895



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.



20.4872, 14.2896, 2.0263



35.9764, 23.7474, 2.6875



30.0051, 33.3253, 5.1990



8.7551, 9.0227, 8.9326



14.6895, 9.8775, 1.1323



0.5197, 0.4257, 0.0548

Inverse Universe

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



13.8928, 15.0223, 43.2412



23.7868, 24.8330, 78.0349



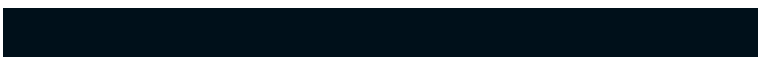
8.4816, 4.1999, 41.4375



8.4630, 9.0722, 10.8114



9.7722, 10.3448, 31.6187



0.3618, 0.4342, 1.0130

Previews

White Background



This preview shows how the XYZ color 20.4869, 14.2888, 2.0261 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 20.4869, 14.2888, 2.0261 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 20.4869, 14.2888, 2.0261

Background



This preview shows how black text looks on a background with the XYZ color 20.4869, 14.2888, 2.0261.



This preview shows how white text looks on a background with the XYZ color 20.4869, 14.2888,

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

20.4869, 14.2888, 2.0261

Protanopia

13.1388, 14.5626, 2.8278

Deuteranopia

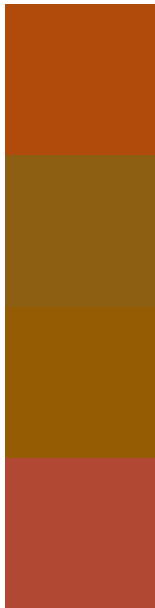
14.4852, 14.3757, 2.0113



Tritanopia

21.7863, 14.3397, 8.0981

Trichromacy



Original Color

20.4869, 14.2888, 2.0261

Protanomaly

15.0166, 13.8035, 2.4452

Deuteranomaly

16.2435, 14.0526, 1.9712

Tritanomaly

21.0464, 14.2209, 4.7676

Monochromacy



Original Color

20.4869, 14.2888, 2.0261

Achromatopsia

11.6093, 12.2139, 13.3009

Achromatomaly

13.2735, 12.1532, 6.9564

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.4869, 14.2888, 2.0261 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(176, 75, 12)` looks like.

```
.text, #text, p{  
    color:rgb(176, 75, 12)  
}
```

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(176, 75, 12) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 75, 12) }
```

Border

The CSS property to change the border of an element to XYZ 20.4869, 14.2888, 2.0261 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(176, 75, 12) }
```


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

```
.border{ border-color:rgb(176, 75, 12) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 75, 12)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 75, 12); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 75, 12);  
box-shadow:4px 4px 4px 4px rgb(176, 75,  
12) }
```

Background

The CSS property to change the background color of an element to XYZ 20.4869, 14.2888, 2.0261 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 75, 12) }
```

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

```
.background{ background-color: rgb(176, 75,  
12) }
```

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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