

Converting Colors

XYZ(20.6107, 14.0417, 3.0209)

Have a look what the booklet for
XYZ(20.6107, 14.0417, 3.0209)
contains.

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Color

**XYZ(20.7095, 14.0861,
2.9939)**

Conversions

Conversions Part 1

Format	Color
Hex	B14820
RGB	177, 72, 32
RGB Percent	69%, 28%, 13%
CMY	0.3059, 0.7176, 0.8745
CMYK	0.00, 0.59, 0.82, 0.31
HSL	17°, 69%, 41%
HSV	17°, 82%, 69%
XYZ	20.7095, 14.0861, 2.9939
YIQ	98.8350, 75.4200, 9.8200

Conversions

Conversions Part 2

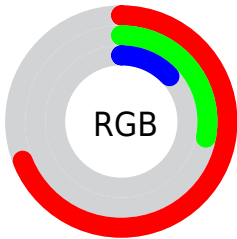
Format	Color
R_{YB}	177, 87, 32
Decimal	11618336
CIE Lab	44.36, 40.72, 43.70
CIE LCh	44, 59.726, 47.023
Yxy	14.0861, 0.5480, 0.3728
Android (android.graphics.Color)	4289808416 (0xFFB14820)
YUV	98.8350, -32.9497, 68.5507
Hunter-Lab	37.5315, 32.8146, 21.5424

Details

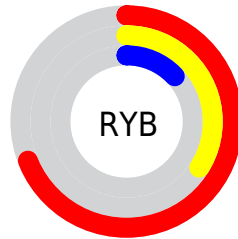
The XYZ color **20.7095, 14.0861, 2.9939** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **17.4763, 21.3711, 44.7985**, and the grayscale version is **11.8857, 12.5047, 13.6176**.

A 20% lighter version of the original color is **44.2522, 33.3452, 11.6933**, and **7.5524, 4.2145, 0.4154** is the 20% darker color. If you saturate the color by 10%, you get **19.7864, 12.5271, 1.8014**, and if you desaturate by 10%, it is **21.9352, 16.0439, 4.9246**.

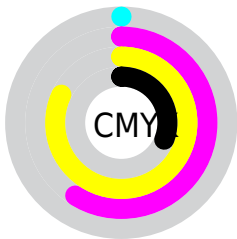
Distribution



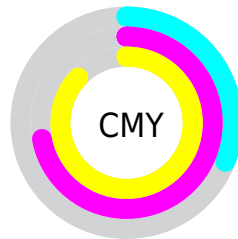
- Red (69%)
- Green (28%)
- Blue (13%)



- Red (69%)
- Yellow (34%)
- Blue (13%)



- Cyan (0%)
- Magenta (59%)
- Yellow (82%)
- Black (31%)





- Cyan (31%)
- Magenta (72%)
- Yellow (87%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 20.7095, 14.0861, 2.9939 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 20.7095, 14.0861, 2.9939 by changing the saturation by 10% instead.


 20.7095, 14.0861,
2.9939


 20.7095, 14.0861,
2.9939


248.4916,
217.7658, 136.2829


 13.0231, 8.1806,
1.0915


 44.0985, 33.2417,
11.6134


 7.5215, 4.2107,
0.0000


 60.5318, 47.2606,
19.1676


 3.8396, 1.7921,
0.0000

 80.6114, 64.7527,
29.4428

 1.6118, 0.4823,
0.0000

 104.7026, 86.1025,
42.8575


 0.4001, 0.0000,
0.0000


 133.1709,
111.6943, 59.8304


 0.0000, 0.0000,
0.0000


 166.3816,


141.9125, 80.7798


 204.7001,
177.1415, 106.1245


 20.7095, 14.0861,
2.9939

 20.7095, 14.0861,
2.9939

 19.7864, 12.5271,
1.8014


 21.9352, 16.0439,
4.9246

 19.2227, 11.5298,
1.2123

 23.4905, 18.4252,
7.6919

 25.4003, 21.2550,
11.3794

 27.6863, 24.5560,
16.0603

 30.3687, 28.3487,
21.8005

■ 33.4658, 32.6529,
28.6600

■ 36.9951, 37.4868,
36.6944

■ 40.9727, 42.8681,
45.9556

■ 45.4142, 48.8134,
56.4924

Harmonies

Analogous

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



24.2825, 14.0861, 8.8325



20.7095, 14.0861, 2.9939



15.5677, 14.0861, 1.3129

Triad

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



20.7095, 14.0861, 2.9939



6.2632, 14.0861, 10.1386



16.2734, 14.0861, 56.9812

Complementary

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



20.7095, 14.0861, 2.9939



17.4763, 21.3711, 44.7985

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.



11.4227, 14.0861, 58.1466



20.7095, 14.0861, 2.9939



6.3653, 14.0861, 24.4403

Square

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



20.7095, 14.0861, 2.9939



7.7118, 14.0861, 3.4598



8.0349, 14.0861, 43.9069



21.3313, 14.0861, 41.3022

Rectangle

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



20.7095, 14.0861, 2.9939



12.2923, 14.0861, 1.2225



8.0349, 14.0861, 43.9069



14.5478, 14.0861, 59.3124

Sweetspot

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



20.7098, 14.0869, 2.9941



57.9049, 55.6709, 46.7863



23.2595, 12.2248, 25.3051



12.1386, 11.4944, 9.2314



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.



20.7098, 14.0869, 2.9941



34.4840, 20.7224, 2.3141



28.2395, 29.1463, 5.5040



8.6809, 8.8743, 8.9079



13.9724, 8.4434, 0.8933



0.4897, 0.3658, 0.0448

Inverse Universe

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



17.4763, 21.3711, 44.7985



28.1710, 33.5163, 79.4798



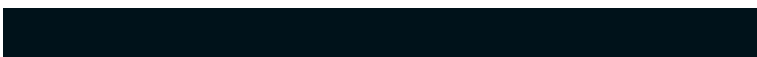
10.4700, 7.3585, 42.4631



8.5405, 9.2272, 10.8372



11.4110, 13.6224, 32.1650



0.4048, 0.5202, 1.0273

Previews

White Background



This preview shows how the XYZ color 20.7095, 14.0861, 2.9939 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 20.7095, 14.0861, 2.9939 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 20.7095, 14.0861, 2.9939

Background



This preview shows how black text looks on a background with the XYZ color 20.7095, 14.0861, 2.9939.



This preview shows how white text looks on a background with the XYZ color 20.7095, 14.0861,

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

20.7095, 14.0861, 2.9939

Protanopia

13.0255, 14.3197, 4.1753

Deuteranopia

14.3749, 14.1588, 2.7343



Tritanopia

21.5969, 14.0671, 7.7078

Trichromacy



Original Color

20.7095, 14.0861, 2.9939

Protanomaly

15.0000, 13.6343, 3.6748

Deuteranomaly

16.2370, 13.7765, 2.7806

Tritanomaly

21.2267, 14.0166, 5.4576

Monochromacy



Original Color

20.7095, 14.0861, 2.9939

Achromatopsia

11.8596, 12.4772, 13.5877

Achromatomaly

13.5948, 12.1648, 8.2881

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.7095, 14.0861, 2.9939 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, 32)` looks like.

```
.text, #text, p{  
    color:rgb(177, 72, 32)  
}
```

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, 32) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 72, 32) }
```

Border

The CSS property to change the border of an element to XYZ 20.7095, 14.0861, 2.9939 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, 32) }
```


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

```
.border{ border-color:rgb(177, 72, 32) }
```

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, 32)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 72, 32); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 72, 32);  
box-shadow:4px 4px 4px 4px rgb(177, 72,  
32) }
```

Background

The CSS property to change the background color of an element to XYZ 20.7095, 14.0861, 2.9939 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, 32) }
```

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

```
.background{ background-color: rgb(177, 72,  
32) }
```

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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