

Converting Colors

XYZ(21.6216, 14.9374, 1.7436)

Have a look what the booklet for
XYZ(21.6216, 14.9374, 1.7436)
contains.

XYZ(21.6405, 14.9926, 1.7533)	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(21.6405, 14.9926,
1.7533)**

Conversions

Conversions Part 1

Format	Color
Hex	B54C00
RGB	181, 76, 0
RGB Percent	71%, 30%, 0%
CMY	0.2902, 0.7019, 1.0000
CMYK	0.00, 0.58, 1.00, 0.29
HSL	25°, 100%, 35%
HSV	25°, 100%, 71%
XYZ	21.6405, 14.9926, 1.7533
YIQ	98.7310, 86.9760, -1.3760

Conversions

Conversions Part 2

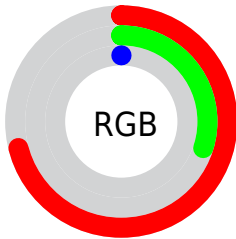
Format	Color
RYB	181, 131, 0
Decimal	11881472
CIELab	45.62, 39.69, 55.74
CIELCh	46, 68.432, 54.547
Yxy	14.9926, 0.5638, 0.3906
Android (android.graphics.Color)	4290071552 (0xFFB54C00)
YUV	98.7310, -48.6744, 72.1499
Hunter-Lab	38.7203, 32.0019, 24.4195

Details

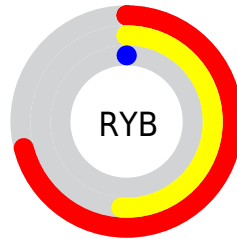
The XYZ color **21.6405, 14.9926, 1.7533** is a dark color, and the websafe version is hex **CC6600**. A complement of this color would be **13.3918, 13.4388, 45.6039**, and the grayscale version is **11.8959, 12.5154, 13.6292**.

A 20% lighter version of the original color is **45.7911, 34.9769, 8.3408**, and **8.0724, 4.6463, 0.4714** is the 20% darker color. If you saturate the color by 10%, you get **21.6406, 14.9931, 1.7534**, and if you desaturate by 10%, it is **22.5343, 16.6043, 2.5940**.

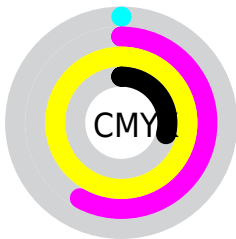
Distribution



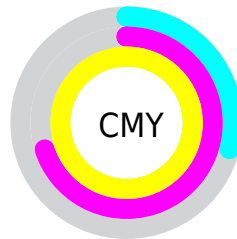
- Red (71%)
- Green (30%)
- Blue (0%)



- Red (71%)
- Yellow (51%)
- Blue (0%)



- Cyan (0%)
- Magenta (58%)
- Yellow (100%)
- Black (29%)





- Cyan (29%)
- Magenta (70%)
- Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 21.6405, 14.9926, 1.7533 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 21.6405, 14.9926, 1.7533 by changing the saturation by 10% instead.


 21.6405, 14.9926,
1.7533


 21.6405, 14.9926,
1.7533


 253.3309,
223.3214, 118.4202


 13.7081, 8.8142,
0.3969


 45.6344, 34.8402,
8.3547


 7.9983, 4.6202,
0.0000


 62.4266, 49.2782,
14.5407


 4.1456, 2.0262,
0.0000

 82.9028, 67.2381,
23.2084

 1.7849, 0.6226,
0.0000

 107.4283, 89.1045,
34.7762


 0.5085, 0.0000,
0.0000


 136.3685,
115.2616, 49.6628


 0.0000, 0.0000,
0.0000


 170.0888,


146.0938, 68.2866


 208.9545,
181.9857, 91.0662


 21.6405, 14.9926,
1.7533


 21.6405, 14.9926,
1.7533


 21.6406, 14.9931,
1.7534

 22.5343, 16.6043,
2.5940

 23.6527, 18.5027,
4.0102

 25.0394, 20.7139,
6.2060

 26.7178, 23.2548,
9.2806

 28.7080, 26.1407,
13.3182

■ 31.0281, 29.3856,
18.3930

■ 33.6946, 33.0027,
24.5718

■ 36.7229, 37.0045,
31.9158

■ 40.1272, 41.4027,
40.4816

Harmonies

Analogous

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



26.7994, 14.9926, 6.4140



21.6405, 14.9926, 1.7533



15.3225, 14.9926, 0.7369

Triad

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



21.6405, 14.9926, 1.7533



5.8576, 14.9926, 13.5067



19.3327, 14.9926, 65.1079

Complementary

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



21.6405, 14.9926, 1.7533



13.3918, 13.4388, 45.6039

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.



13.2288, 14.9926, 72.1588



21.6405, 14.9926, 1.7533



6.3961, 14.9926, 33.2474

Square

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



21.6405, 14.9926, 1.7533



7.0295, 14.9926, 4.0126



8.7688, 14.9926, 57.8568



25.2362, 14.9926, 42.3061

Rectangle

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



21.6405, 14.9926, 1.7533



11.6588, 14.9926, 0.8686



8.7688, 14.9926, 57.8568



17.1993, 14.9926, 69.8449

Sweetspot

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



21.6408, 14.9935, 1.7535



60.0912, 58.7653, 43.4019



21.6359, 10.8558, 14.4777



12.5461, 12.1061, 8.3450



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.



21.6408, 14.9935, 1.7535



38.5447, 26.4256, 3.0691



32.6770, 37.0658, 5.4323



8.7798, 9.0722, 8.9409



14.9842, 10.4670, 1.2306



0.5297, 0.4458, 0.0581

Inverse Universe

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



13.3918, 13.4388, 45.6039



23.7543, 23.6083, 81.5995



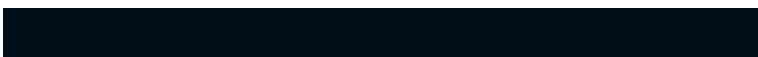
8.5125, 3.6803, 43.9775



8.4377, 9.0215, 10.8029



9.3017, 9.4037, 31.4618



0.3488, 0.4082, 1.0086

Previews

White Background



This preview shows how the XYZ color 21.6405, 14.9926, 1.7533 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 21.6405, 14.9926, 1.7533 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 21.6405, 14.9926, 1.7533

Background



This preview shows how black text looks on a background with the XYZ color 21.6405, 14.9926, 1.7533.



This preview shows how white text looks on a background with the XYZ color 21.6405, 14.9926,

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

21.6405, 14.9926, 1.7533

Protanopia

13.7382, 15.1887, 2.7379

Deuteranopia

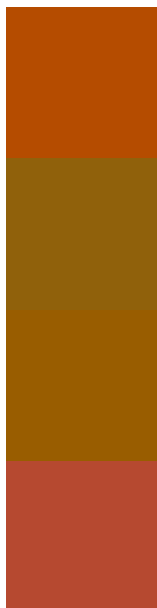
15.1668, 15.0189, 2.0996



Tritanopia

23.0517, 15.0818, 8.3527

Trichromacy



Original Color

21.6405, 14.9926, 1.7533

Protanomaly

15.8367, 14.5028, 2.2813

Deuteranomaly

17.0512, 14.6010, 1.9196

Tritanomaly

22.2074, 14.9236, 4.5064

Monochromacy



Original Color

21.6405, 14.9926, 1.7533

Achromatopsia

11.8596, 12.4772, 13.5877

Achromatomaly

13.6915, 12.5082, 6.3953

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.6405, 14.9926, 1.7533 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(181, 76, 0)` looks like.

```
.text, #text, p{  
    color:rgb(181, 76, 0)  
}
```

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(181, 76, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 76, 0) }
```

Border

The CSS property to change the border of an element to XYZ 21.6405, 14.9926, 1.7533 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(181, 76, 0) }
```


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

```
.border{ border-color:rgb(181, 76, 0) }
```

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

Here you see how a box with a 4 pixel rgb(181, 76, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 76, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 76, 0);  
box-shadow:4px 4px 4px 4px rgb(181, 76, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 21.6405, 14.9926, 1.7533 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 76, 0) }
```

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

```
.background{ background-color: rgb(181, 76,  
0) }
```

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