

Converting Colors

XYZ(21.7393, 14.1023, 2.6296)

Have a look what the booklet for
XYZ(21.7393, 14.1023, 2.6296)
contains.

XYZ(21.6745, 14.0428, 2.6051)	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(21.6745, 14.0428,
2.6051)**

Conversions

Conversions Part 1

Format	Color
Hex	B7421B
RGB	183, 66, 27
RGB Percent	72%, 26%, 11%
CMY	0.2824, 0.7411, 0.8941
CMYK	0.00, 0.64, 0.85, 0.28
HSL	15°, 74%, 41%
HSV	15°, 85%, 72%
XYZ	21.6745, 14.0428, 2.6051
YIQ	96.5370, 82.2510, 12.6750

Conversions

Conversions Part 2

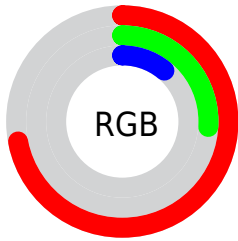
Format	Color
R_{YB}	183, 79, 27
Decimal	12010011
CIE _{Lab}	44.29, 45.58, 46.33
CIE _{LCh}	44, 64.992, 45.462
Yxy	14.0428, 0.5656, 0.3664
Android (android.graphics.Color)	4290200091 (0xFFB7421B)
YUV	96.5370, -34.2817, 75.8281
Hunter-Lab	37.4737, 37.6639, 22.1099

Details

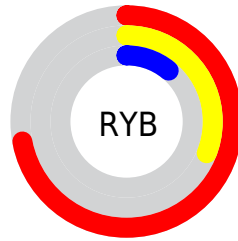
The XYZ color **21.6745, 14.0428, 2.6051** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **18.9717, 23.5967, 48.3542**, and the grayscale version is **11.3165, 11.9059, 12.9655**.

A 20% lighter version of the original color is **45.8729, 33.2945, 10.6653**, and **8.0586, 4.2027, 0.3865** is the 20% darker color. If you saturate the color by 10%, you get **20.8167, 12.5676, 1.5785**, and if you desaturate by 10%, it is **22.8568, 15.9571, 4.3885**.

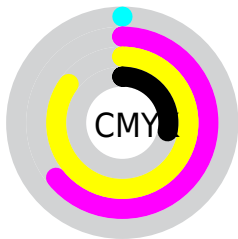
Distribution



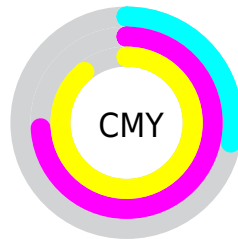
- Red (72%)
- Green (26%)
- Blue (11%)



- Red (72%)
- Yellow (31%)
- Blue (11%)



- Cyan (0%)
- Magenta (64%)
- Yellow (85%)
- Black (28%)





- Cyan (28%)
- Magenta (74%)
- Yellow (89%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.6745, 14.0428, 2.6051 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 21.6745, 14.0428, 2.6051 by changing the saturation by 10% instead.


 21.6745, 14.0428,
2.6051


 21.6745, 14.0428,
2.6051


253.5061,
217.4969, 131.1602


 13.7332, 8.1504,
0.8951


 45.6903, 33.1650,
10.6374


 8.0158, 4.1914,
0.0000


 62.4955, 47.1635,
17.7984

 4.1569, 1.7812,
0.0000

 82.9860, 64.6330,
27.6140

 1.7913, 0.4754,
0.0000

 107.5272, 85.9577,
40.5027


 0.5124, 0.0000,
0.0000


 136.4845,
111.5220, 56.8832


 0.0000, 0.0000,
0.0000


 170.2232,


141.7104, 77.1739


 209.1086,
176.9073, 101.7934


 21.6745, 14.0428,
2.6051


 21.6745, 14.0428,
2.6051


 20.8167, 12.5676,
1.5785


 22.8568, 15.9571,
4.3885

 20.4958, 12.0023,
1.2364

 24.3969, 18.3418,
7.0457

 26.3241, 21.2279,
10.6730

 28.6641, 24.6427,
15.3536

 31.4405, 28.6116,
21.1618

■ 34.6748, 33.1583,
28.1650

■ 38.3872, 38.3050,
36.4255

■ 42.5965, 44.0728,
46.0010

■ 47.3206, 50.4815,
56.9458

Harmonies

Analogous

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



25.5114, 14.0428, 8.8483



21.6745, 14.0428, 2.6051



16.0220, 14.0428, 0.9409

Triad

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



21.6745, 14.0428, 2.6051



5.8114, 14.0428, 9.1620



16.1987, 14.0428, 62.9304

Complementary

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



21.6745, 14.0428, 2.6051



18.9717, 23.5967, 48.3542

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.



10.9881, 14.0428, 63.2381



21.6745, 14.0428, 2.6051



5.8354, 14.0428, 24.2807

Square

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



21.6745, 14.0428, 2.6051



7.4065, 14.0428, 2.7068



7.4838, 14.0428, 46.1935



21.8326, 14.0428, 45.5138

Rectangle

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



21.6745, 14.0428, 2.6051



12.4167, 14.0428, 0.8161



7.4838, 14.0428, 46.1935



14.3232, 14.0428, 65.2904

Sweetspot

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



21.6748, 14.0436, 2.6053



61.3721, 58.3663, 48.8419



24.9544, 12.8648, 27.5535



13.1005, 12.2541, 9.7971



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.



21.6748, 14.0436, 2.6053



36.5544, 21.1888, 2.1632



29.6995, 30.0929, 5.2802



9.1822, 9.3674, 9.4310



14.3454, 8.4671, 0.8782



0.5564, 0.3998, 0.0479

Inverse Universe

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



18.9717, 23.5967, 48.3542



31.1993, 37.9058, 85.9079



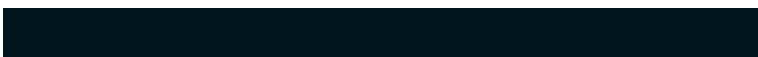
10.9475, 7.5485, 45.6795



9.0714, 9.8200, 11.4968



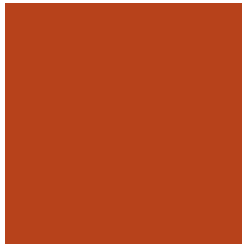
12.2841, 15.0278, 33.5063



0.4790, 0.6218, 1.1965

Previews

White Background



This preview shows how the XYZ color 21.6745, 14.0428, 2.6051 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



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 21.6745, 14.0428, 2.6051

Background



This preview shows how black text looks on a background with the XYZ color 21.6745, 14.0428, 2.6051.



This preview shows how white text looks on a background with the XYZ color 21.6745, 14.0428,

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

21.6745, 14.0428, 2.6051

Protanopia

12.9592, 14.2932, 3.8261

Deuteranopia

14.2684, 14.1162, 2.1737



Tritanopia

22.4732, 14.0289, 6.6776

Trichromacy



Original Color

21.6745, 14.0428, 2.6051

Protanomaly

15.1709, 13.3428, 3.2147

Deuteranomaly

16.3315, 13.5905, 2.1779

Tritanomaly

22.1645, 13.9933, 4.7816

Monochromacy



Original Color

21.6745, 14.0428, 2.6051

Achromatopsia

11.3621, 11.9538, 13.0177

Achromatomaly

13.3996, 11.7127, 7.6854

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.6745, 14.0428, 2.6051 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(183, 66, 27)` looks like.

```
.text, #text, p{  
    color:rgb(183, 66, 27)  
}
```

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(183, 66, 27) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 66, 27) }
```

Border

The CSS property to change the border of an element to XYZ 21.6745, 14.0428, 2.6051 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(183, 66, 27) }
```


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

```
.border{ border-color:rgb(183, 66, 27) }
```

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

Here you see how a box with a 4 pixel rgb(183, 66, 27) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 66, 27); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 66, 27);  
box-shadow:4px 4px 4px 4px rgb(183, 66,  
27) }
```

Background

The CSS property to change the background color of an element to XYZ 21.6745, 14.0428, 2.6051 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 66, 27) }
```

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

```
.background{ background-color: rgb(183, 66,  
27) }
```

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