

Converting Colors

XYZ(20.9750, 13.7992, 1.3863)

Have a look what the booklet for
XYZ(20.9750, 13.7992, 1.3863)
contains.

XYZ(21.0632, 13.8381, 1.5609)	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(21.0632, 13.8381,
1.5609)**

Conversions

Conversions Part 1

Format	Color
Hex	B54300
RGB	181, 67, 0
RGB Percent	71%, 26%, 0%
CMY	0.2902, 0.7372, 1.0000
CMYK	0.00, 0.63, 1.00, 0.29
HSL	22°, 100%, 35%
HSV	22°, 100%, 71%
XYZ	21.0632, 13.8381, 1.5609
YIQ	93.4480, 89.4510, 3.3310

Conversions

Conversions Part 2

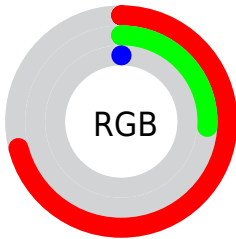
Format	Color
R_{YB}	181, 106, 0
Decimal	11879168
CIE _{Lab}	44.00, 43.95, 54.86
CIE _{LCh}	44, 70.299, 51.300
Yxy	13.8381, 0.5777, 0.3795
Android (android.graphics.Color)	4290069248 (0xFFB54300)
YUV	93.4480, -46.0699, 76.7831
Hunter-Lab	37.1996, 35.9712, 23.5519

Details

The XYZ color **21.0632, 13.8381, 1.5609** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **14.3572, 15.3697, 45.9256**, and the grayscale version is **10.6002, 11.1522, 12.1447**.

A 20% lighter version of the original color is **44.6436, 32.7222, 7.8339**, and **7.8326, 4.1667, 0.3914** is the 20% darker color. If you saturate the color by 10%, you get **21.0633, 13.8386, 1.5610**, and if you desaturate by 10%, it is **21.9193, 15.3745, 2.3890**.

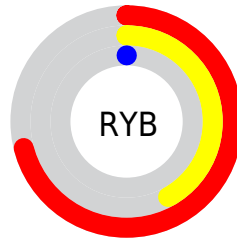
Distribution



Red (71%)

Green (26%)

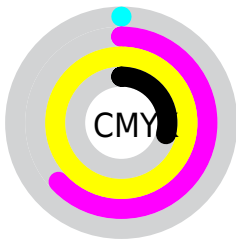
Blue (0%)



Red (71%)

Yellow (42%)

Blue (0%)

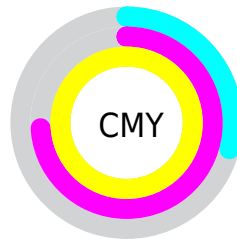


Cyan (0%)

Magenta (63%)

Yellow (100%)

Black (29%)



Cyan (29%)


Magenta (74%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 21.0632, 13.8381, 1.5609 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 21.0632, 13.8381, 1.5609 by changing the saturation by 10% instead.


 21.0632, 13.8381,
1.5609


 21.0632, 13.8381,
1.5609


 250.3395,
216.2213, 115.1357


 13.2829, 8.0081,
0.2627


 44.6832, 32.8015,
7.8013


 7.7020, 4.1002,
0.0000


 61.2536, 46.7037,
13.7370


 3.9551, 1.7297,
0.0000

 81.4848, 64.0655,
22.1077

 1.6767, 0.4428,
0.0000

 105.7421, 85.2712,
33.3320

 0.4416, 0.0000,
0.0000


 134.3908,
110.7052, 47.8284


 0.0000, 0.0000,
0.0000


 167.7964,


140.7520, 66.0154


 206.3242,
175.7959, 88.3117


 21.0632, 13.8381,
1.5609


 21.0632, 13.8381,
1.5609


 21.0633, 13.8386,
1.5610

 21.9193, 15.3745,
2.3890

 23.0173, 17.2320,
3.7984

 24.4026, 19.4403,
5.9937

 26.1000, 22.0192,
9.0747

 28.1311, 24.9869,
13.1259

■ 30.5153, 28.3602,
18.2220

■ 33.2705, 32.1546,
24.4304

■ 36.4130, 36.3849,
31.8124

■ 39.9583, 41.0651,
40.4252

Harmonies

Analogous

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



25.8901, 13.8381, 6.4371



21.0632, 13.8381, 1.5609



14.8428, 13.8381, 0.4455

Triad

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



21.0632, 13.8381, 1.5609



5.1441, 13.8381, 10.8821



17.4461, 13.8381, 65.6306

Complementary

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



21.0632, 13.8381, 1.5609



14.3572, 15.3697, 45.9256

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.



11.5961, 13.8381, 70.3949



21.0632, 13.8381, 1.5609



5.4768, 13.8381, 29.2062

Square

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



21.0632, 13.8381, 1.5609



6.4323, 13.8381, 2.8661



7.5217, 13.8381, 54.0013



23.4245, 13.8381, 43.5895

Rectangle

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



21.0632, 13.8381, 1.5609



11.1611, 13.8381, 0.4842



7.5217, 13.8381, 54.0013



15.3682, 13.8381, 69.7208

Sweetspot

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



21.0635, 13.8389, 1.5611



59.3227, 57.2284, 43.1458



22.1294, 11.0531, 17.0766



12.3649, 11.7435, 8.2846



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.



21.0635, 13.8389, 1.5611



37.5249, 24.3860, 2.7292



31.0903, 33.8924, 4.9034



8.7455, 9.0034, 8.9294



14.5823, 9.6631, 1.0966



0.5158, 0.4180, 0.0535

Inverse Universe

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



14.3572, 15.3697, 45.9256



25.4887, 27.0771, 82.1776



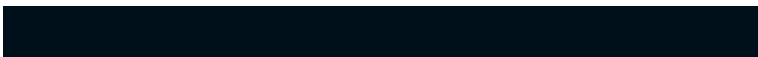
8.6699, 3.9951, 44.0298



8.4729, 9.0921, 10.8147



9.9655, 10.7315, 31.6831



0.3671, 0.4447, 1.0147

Previews

White Background



This preview shows how the XYZ color 21.0632, 13.8381, 1.5609 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 21.0632, 13.8381, 1.5609 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 21.0632, 13.8381, 1.5609

Background



This preview shows how black text looks on a background with the XYZ color 21.0632, 13.8381, 1.5609.



This preview shows how white text looks on a background with the XYZ color 21.0632, 13.8381,

1.5609.

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

21.0632, 13.8381, 1.5609

Protanopia

12.6320, 13.9984, 2.6084

Deuteranopia

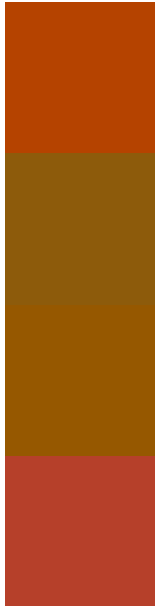
14.0729, 14.0199, 1.9644



Tritanopia

21.9974, 13.7837, 6.6554

Trichromacy



Original Color

21.0632, 13.8381, 1.5609

Protanomaly

14.7860, 13.1691, 2.0792

Deuteranomaly

16.0674, 13.4635, 1.7519

Tritanomaly

21.5427, 13.7790, 3.7147

Monochromacy



Original Color

21.0632, 13.8381, 1.5609

Achromatopsia

10.4043, 10.9462, 11.9204

Achromatomaly

12.4172, 11.0164, 5.6096

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.0632, 13.8381, 1.5609 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, 67, 0)` looks like.

```
.text, #text, p{  
    color:rgb(181, 67, 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, 67, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 67, 0) }
```

Border

The CSS property to change the border of an element to XYZ 21.0632, 13.8381, 1.5609 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, 67, 0) }
```


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

```
.border{ border-color:rgb(181, 67, 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, 67, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 67, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 67, 0);  
box-shadow:4px 4px 4px 4px rgb(181, 67, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 21.0632, 13.8381, 1.5609 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 67, 0) }
```

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

```
.background{ background-color: rgb(181, 67,  
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