

Converting Colors

XYZ(21.7897, 13.4649, 1.4505)

Have a look what the booklet for
XYZ(21.7897, 13.4649, 1.4505)
contains.

XYZ(21.7628, 13.4652, 1.4520)	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(21.7628, 13.4652,
1.4520)**

Conversions

Conversions Part 1

Format	Color
Hex	BA3A00
RGB	186, 58, 0
RGB Percent	73%, 23%, 0%
CMY	0.2706, 0.7725, 1.0000
CMYK	0.00, 0.69, 1.00, 0.27
HSL	19°, 100%, 36%
HSV	19°, 100%, 73%
XYZ	21.7628, 13.4652, 1.4520
YIQ	89.6600, 94.9060, 9.0980

Conversions

Conversions Part 2

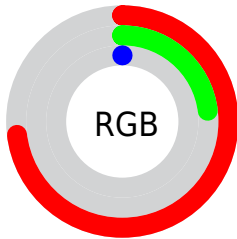
Format	Color
R_{YB}	186, 84, 0
Decimal	12204544
CIE _{Lab}	43.46, 49.61, 55.08
CIE _{LCh}	43, 74.131, 47.991
Yxy	13.4652, 0.5933, 0.3671
Android (android.graphics.Color)	4290394624 (0xFFBA3A00)
YUV	89.6600, -44.2024, 84.4902
Hunter-Lab	36.6950, 41.6474, 23.3404

Details

The XYZ color **21.7628, 13.4652, 1.4520** is a dark color, and the websafe version is hex **CC3300**. A complement of this color would be **16.5812, 18.9817, 49.2441**, and the grayscale version is **9.7237, 10.2301, 11.1405**.

A 20% lighter version of the original color is **45.9323, 32.1979, 7.5353**, and **8.3122, 4.2851, 0.3890** is the 20% darker color. If you saturate the color by 10%, you get **21.7630, 13.4659, 1.4521**, and if you desaturate by 10%, it is **22.6048, 14.9668, 2.2959**.

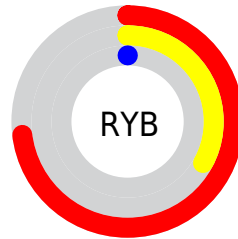
Distribution



Red (73%)

Green (23%)

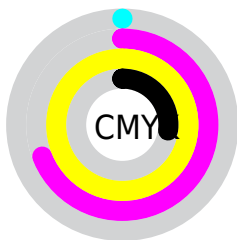
Blue (0%)



Red (73%)

Yellow (33%)

Blue (0%)

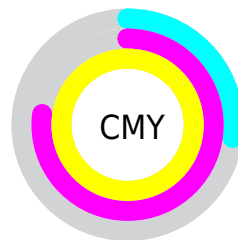


Cyan (0%)

Magenta (69%)

Yellow (100%)

Black (27%)



Cyan (27%)


Magenta (77%)


Yellow (100%)


Brightness & Saturation Gradients

These gradients show how the XYZ color 21.7628, 13.4652, 1.4520 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 21.7628, 13.4652, 1.4520 by changing the saturation by 10% instead.


 21.7628, 13.4652,
1.4520


 21.7628, 13.4652,
1.4520


 253.9608,
213.8779, 113.1851


 13.7983, 7.7497,
0.1818


 45.8354, 32.1370,
7.4798


 8.0613, 3.9352,
0.0000


 62.6743, 45.8621,
13.2670

 4.1863, 1.6374,
0.0000

 83.2020, 63.0259,
21.4612

 1.8081, 0.3826,
0.0000

 107.7839, 84.0126,
32.4808


 0.5225, 0.0000,
0.0000


 136.7854,
109.2068, 46.7445


 0.0000, 0.0000,
0.0000


 170.5718,


138.9928, 64.6707


 209.5085,
173.7551, 86.6781


 21.7628, 13.4652,
1.4520


 21.7628, 13.4652,
1.4520


 21.7630, 13.4659,
1.4521

 22.6048, 14.9668,
2.2959

 23.7266, 16.8537,
3.7695

 25.1786, 19.1627,
6.0877

 26.9898, 21.9200,
9.3582

 29.1855, 25.1496,
13.6724

■ 31.7887, 28.8733,
19.1108

■ 34.8201, 33.1117,
25.7460

■ 38.2992, 37.8840,
33.6444

■ 42.2441, 43.2084,
42.8676

Harmonies

Analogous

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



26.5341, 13.4652, 6.8680



21.7628, 13.4652, 1.4520



15.2509, 13.4652, 0.1689

Triad

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



21.7628, 13.4652, 1.4520



4.7188, 13.4652, 8.9892



16.5443, 13.4652, 70.4913

Complementary

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



21.7628, 13.4652, 1.4520



16.5812, 18.9817, 49.2441

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.



10.6238, 13.4652, 72.9672



21.7628, 13.4652, 1.4520



4.8747, 13.4652, 26.8434

Square

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



21.7628, 13.4652, 1.4520



6.1925, 13.4652, 2.0146



6.7115, 13.4652, 53.2697



22.9515, 13.4652, 47.9125

Rectangle

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



21.7628, 13.4652, 1.4520



11.3155, 13.4652, 0.1058



6.7115, 13.4652, 53.2697



14.4052, 13.4652, 74.1017

Sweetspot

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



21.7631, 13.4660, 1.4522



62.8217, 59.6125, 46.0151



24.2923, 12.0562, 22.2364



13.3039, 12.3896, 8.9613



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



21.7631, 13.4660, 1.4522



39.2573, 24.0286, 2.5689



30.9654, 31.8707, 4.5197



9.2270, 9.4570, 9.4460



14.7013, 9.1790, 0.9969



0.5752, 0.4375, 0.0541

Inverse Universe

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



16.5812, 18.9817, 49.2441



29.8285, 33.9536, 89.1830



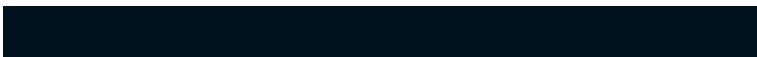
9.5308, 4.8809, 46.8939



9.0240, 9.7253, 11.4810



11.2245, 12.9086, 33.1531



0.4482, 0.5601, 1.1862

Previews

White Background



This preview shows how the XYZ color 21.7628, 13.4652, 1.4520 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 21.7628, 13.4652, 1.4520 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 21.7628, 13.4652, 1.4520

Background



This preview shows how black text looks on a background with the XYZ color 21.7628, 13.4652, 1.4520.



This preview shows how white text looks on a background with the XYZ color 21.7628, 13.4652,

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

21.7628, 13.4652, 1.4520

Protanopia

12.4127, 13.7330, 2.6583

Deuteranopia

13.7278, 13.5607, 1.8939



Tritanopia

22.5512, 13.4985, 5.2878

Trichromacy



Original Color

21.7628, 13.4652, 1.4520

Protanomaly

14.6362, 12.5962, 2.0407

Deuteranomaly

15.8558, 12.7658, 1.6284

Tritanomaly

22.1781, 13.4245, 3.0913

Monochromacy



Original Color

21.7628, 13.4652, 1.4520

Achromatopsia

9.7181, 10.2242, 11.1341

Achromatomaly

11.9204, 10.1042, 5.1929

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.7628, 13.4652, 1.4520 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(186, 58, 0)` looks like.

```
.text, #text, p{  
    color:rgb(186, 58, 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(186, 58, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 58, 0) }
```

Border

The CSS property to change the border of an element to XYZ 21.7628, 13.4652, 1.4520 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(186, 58, 0) }
```


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

```
.border{ border-color:rgb(186, 58, 0) }
```

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

Here you see how a box with a 4 pixel rgb(186, 58, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 58, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 58, 0);  
box-shadow:4px 4px 4px 4px rgb(186, 58, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 21.7628, 13.4652, 1.4520 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 58, 0) }
```

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

```
.background{ background-color: rgb(186, 58,  
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