

Converting Colors

XYZ(21.4496, 12.8113, 1.3454)

Have a look what the booklet for
XYZ(21.4496, 12.8113, 1.3454)
contains.

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Color

**XYZ(21.4335, 12.8068,
1.3423)**

Conversions

Conversions Part 1

Format	Color
Hex	BA3300
RGB	186, 51, 0
RGB Percent	73%, 20%, 0%
CMY	0.2706, 0.8000, 1.0000
CMYK	0.00, 0.73, 1.00, 0.27
HSL	16°, 100%, 36%
HSV	16°, 100%, 73%
XYZ	21.4335, 12.8068, 1.3423
YIQ	85.5510, 96.8310, 12.7590

Conversions

Conversions Part 2

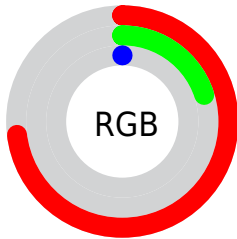
Format	Color
R_{YB}	186, 70, 0
Decimal	12202752
CIE _{Lab}	42.47, 52.31, 54.61
CIE _{LCh}	42, 75.620, 46.233
Yxy	12.8068, 0.6024, 0.3599
Android (android.graphics.Color)	4290392832 (0xFFBA3300)
YUV	85.5510, -42.1766, 88.0938
Hunter-Lab	35.7866, 44.2817, 22.8267

Details

The XYZ color **21.4335, 12.8068, 1.3423** is a dark color, and the websafe version is hex **CC3300**. A complement of this color would be **17.5255, 20.8705, 49.5585**, and the grayscale version is **8.8233, 9.2828, 10.1089**.

A 20% lighter version of the original color is **45.2680, 30.9079, 7.1944**, and **8.1684, 4.2110, 0.3823** is the 20% darker color. If you saturate the color by 10%, you get **21.4337, 12.8074, 1.3424**, and if you desaturate by 10%, it is **22.2259, 14.2092, 2.1696**.

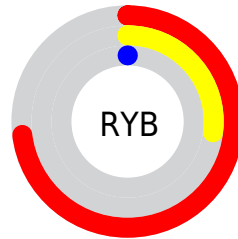
Distribution



Red (73%)

Green (20%)

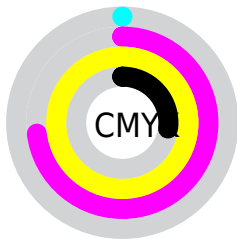
Blue (0%)



Red (73%)

Yellow (27%)

Blue (0%)

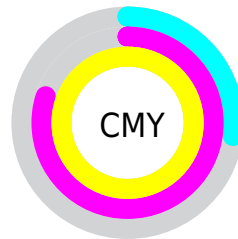


Cyan (0%)

Magenta (73%)

Yellow (100%)

Black (27%)



Cyan (27%)


Magenta (80%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 21.4335, 12.8068, 1.3423 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 21.4335, 12.8068, 1.3423 by changing the saturation by 10% instead.


 21.4335, 12.8068,
1.3423


 21.4335, 12.8068,
1.3423


 252.2618,
209.6757, 111.1430


 13.5555, 7.2956,
0.0961


 45.2938, 30.9563,
7.1490


 7.8918, 3.6477,
0.0000


 62.0067, 44.3633,
12.7810

 4.0770, 1.4785,
0.0000

 82.3954, 61.1712,
20.7902

 1.7458, 0.2735,
0.0000

 106.8251, 81.7642,
31.5952

 0.4847, 0.0000,
0.0000


 135.6613,
106.5268, 45.6144


 0.0000, 0.0000,
0.0000


 169.2692,


135.8433, 63.2664


 208.0142,
170.0981, 84.9698


 21.4335, 12.8068,
1.3423


 21.4335, 12.8068,
1.3423

 21.4337, 12.8074,
1.3424

 22.2259, 14.2092,
2.1696

 23.3116, 16.0238,
3.6312

 24.7431, 18.2918,
5.9426

 26.5513, 21.0433,
9.2121

 28.7635, 24.3056,
13.5318

■ 31.4039, 28.1038,
18.9826

■ 34.4948, 32.4612,
25.6377

■ 38.0570, 37.3998,
33.5638

■ 42.1099, 42.9403,
42.8230

Harmonies

Analogous

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



26.0142, 12.8068, 6.8832



21.4335, 12.8068, 1.3423



14.9705, 12.8068, 0.0000

Triad

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



21.4335, 12.8068, 1.3423



4.3305, 12.8068, 7.7306



15.4995, 12.8068, 70.9810

Complementary

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



21.4335, 12.8068, 1.3423



17.5255, 20.8705, 49.5585

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.



9.7468, 12.8068, 72.0204



21.4335, 12.8068, 1.3423



4.3921, 12.8068, 24.6844

Square

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



21.4335, 12.8068, 1.3423



5.8505, 12.8068, 1.5530



6.0575, 12.8068, 51.0976



21.9234, 12.8068, 48.8612

Rectangle

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



21.4335, 12.8068, 1.3423



11.0212, 12.8068, 0.0000



6.0575, 12.8068, 51.0976



13.4013, 12.8068, 74.1810

Sweetspot

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



21.4338, 12.8076, 1.3425



62.2259, 58.4209, 45.8165



24.7219, 12.2280, 24.4991



13.1617, 12.1052, 8.9139



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.



21.4338, 12.8076, 1.3425



38.6776, 22.8690, 2.3756



30.0120, 29.9640, 4.2019



9.1997, 9.4024, 9.4369



14.4749, 8.7261, 0.9214



0.5638, 0.4146, 0.0503

Inverse Universe

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



17.5255, 20.8705, 49.5585



31.5536, 37.4038, 89.7580



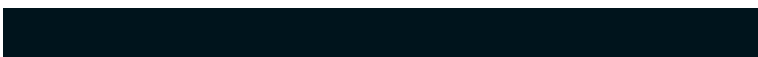
9.7414, 5.3022, 46.9638



9.0528, 9.7828, 11.4906



11.8557, 14.1711, 33.3635



0.4667, 0.5971, 1.1924

Previews

White Background



This preview shows how the XYZ color 21.4335, 12.8068, 1.3423 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 21.4335, 12.8068, 1.3423

Background



This preview shows how black text looks on a background with the XYZ color 21.4335, 12.8068, 1.3423.



This preview shows how white text looks on a background with the XYZ color 21.4335, 12.8068,

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

21.4335, 12.8068, 1.3423

Protanopia

11.8262, 13.1343, 2.6213

Deuteranopia

13.0850, 12.9549, 1.8109



Tritanopia

22.1048, 12.9005, 4.2307

Trichromacy



Original Color

21.4335, 12.8068, 1.3423

Protanomaly

13.9811, 11.7910, 1.9198

Deuteranomaly

15.2631, 12.1269, 1.5363

Tritanomaly

21.8392, 12.8604, 2.6276

Monochromacy



Original Color

21.4335, 12.8068, 1.3423

Achromatopsia

8.8453, 9.3059, 10.1341

Achromatomaly

11.0982, 9.1785, 4.8011

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.4335, 12.8068, 1.3423 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, 51, 0)` looks like.

```
.text, #text, p{  
    color:rgb(186, 51, 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, 51, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 51, 0) }
```

Border

The CSS property to change the border of an element to XYZ 21.4335, 12.8068, 1.3423 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, 51, 0) }
```


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

```
.border{ border-color:rgb(186, 51, 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, 51, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 51, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 51, 0);  
box-shadow:4px 4px 4px 4px rgb(186, 51, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 21.4335, 12.8068, 1.3423 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 51, 0) }
```

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

```
.background{ background-color: rgb(186, 51,  
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](#).

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