

Converting Colors

XYZ(2.3211, 2.8719, 1.2426)

Have a look what the booklet for
XYZ(2.3211, 2.8719, 1.2426)
contains.

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Color

XYZ(2.3340, 2.8785, 1.2432)

Conversions

Conversions Part 1

Format	Color
Hex	2C3217
RGB	44, 50, 23
RGB Percent	17%, 20%, 9%
CMY	0.8274, 0.8039, 0.9098
CMYK	0.12, 0.00, 0.54, 0.80
HSL	73°, 37%, 14%
HSV	73°, 54%, 20%
XYZ	2.3340, 2.8785, 1.2432
YIQ	45.1280, 5.0910, -9.6690

Conversions

Conversions Part 2

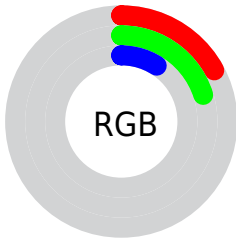
Format	Color
R_{YB}	23, 50, 29
Decimal	2896407
CIE Lab	19.55, -7.90, 16.26
CIE LCh	20, 18.078, 115.928
Yxy	2.8785, 0.3615, 0.4459
Android (android.graphics.Color)	4281086487 (0xFF2C3217)
YUV	45.1280, -10.9091, -0.9893
Hunter-Lab	16.9661, -5.1348, 7.5318

Details

The XYZ color **2.3340, 2.8785, 1.2432** is a dark color, and the websafe version is hex **333300**. A complement of this color would be **1.3888, 1.1043, 3.1576**, and the grayscale version is **2.5177, 2.6488, 2.8846**.

A 20% lighter version of the original color is **9.3827, 10.9327, 6.7700**, and **0.0000, 0.0000, 0.0000** is the 20% darker color. If you saturate the color by 10%, you get **2.2415, 2.8362, 1.0016**, and if you desaturate by 10%, it is **2.4374, 2.9255, 1.5349**.

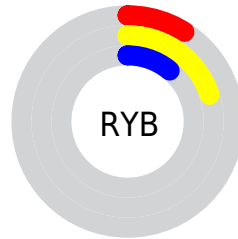
Distribution



Red (17%)

Green (20%)

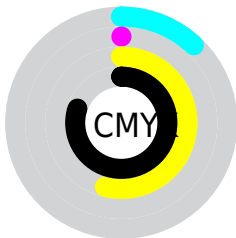
Blue (9%)



Red (9%)

Yellow (20%)

Blue (11%)

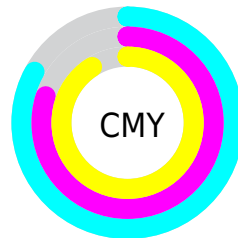


Cyan (12%)

Magenta (0%)

Yellow (54%)

Black (80%)



Cyan (83%)

Magenta (80%)

Yellow (91%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 2.3340, 2.8785, 1.2432 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 2.3340, 2.8785, 1.2432 by changing the saturation by 10% instead.

■ 2.3340, 2.8785,
1.2432

■ 2.3340, 2.8785,
1.2432

■ 115.3054,
126.7892, 109.2233

■ 0.8120, 1.0686,
0.0146

■ 9.4383, 10.9823,
6.8434

■ 0.0000, 0.0000,
0.0000

■ 15.7516, 18.0450,
12.3298


■ 24.3929, 27.6274,
20.1650


■ 35.7274, 40.1139,
30.7677


■ 50.1206, 55.8890,
44.5563


■ 67.9377, 75.3369,


61.9494


 89.5442, 98.8422,
83.3655


 2.3340, 2.8785,
1.2432


 2.3340, 2.8785,
1.2432


 2.2415, 2.8362,
1.0016


 2.4374, 2.9255,
1.5349


 2.1591, 2.7979,
0.8070


 2.5520, 2.9771,
1.8790


 2.0858, 2.7634,
0.6532

 2.6783, 3.0335,
2.2782

 2.0151, 2.7301,
0.5069

 2.8167, 3.0949,
2.7345

 1.9732, 2.7105,
0.4192

 2.9678, 3.1615,
3.2502

■ 3.1318, 3.2335,
3.8274

■ 3.3092, 3.3109,
4.4678

■ 3.5002, 3.3940,
5.1734

■ 3.7054, 3.4829,
5.9460

Harmonies

Analogous

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



2.8053, 2.8785, 1.1020



2.3340, 2.8785, 1.2432



2.0097, 2.8785, 1.8231

Triad

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



2.3340, 2.8785, 1.2432



2.2285, 2.8785, 6.0383



3.8199, 2.8785, 3.3353

Complementary

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



2.3340, 2.8785, 1.2432



1.3888, 1.1043, 3.1576

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.



3.6190, 2.8785, 4.9587



2.3340, 2.8785, 1.2432



2.6677, 2.8785, 6.7940

Square

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



2.3340, 2.8785, 1.2432



1.9542, 2.8785, 4.5099



3.1815, 2.8785, 6.3483



3.7024, 2.8785, 2.0713

Rectangle

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



2.3340, 2.8785, 1.2432



1.9000, 2.8785, 2.5071



3.1815, 2.8785, 6.3483



3.7868, 2.8785, 3.8580

Sweetspot

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



2.3341, 2.8786, 1.2433



4.4290, 4.9083, 4.1488



1.9058, 1.6114, 1.0212



1.3321, 1.4776, 1.2429



33.7135, 35.4692, 38.6260



1.4567, 1.5325, 1.6689

Same Dimension

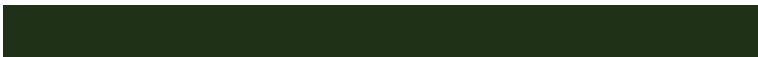
The Same Dimension uses a secret algorithm to generate beautiful new colors.



2.3341, 2.8786, 1.2433



3.5178, 4.4972, 1.4576



1.8499, 2.6290, 1.2206



0.9118, 0.9843, 0.9499



6.0774, 8.4671, 1.3140



41.0234, 57.8870, 9.0111

Inverse Universe

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



1.3888, 1.1043, 3.1576



1.7921, 1.2526, 4.9606



1.8514, 1.3428, 3.1793



0.8516, 0.8715, 1.0716



2.0987, 0.8724, 9.5641



13.7182, 5.6290, 65.8387

Previews

White Background



This preview shows how the XYZ color 2.3340, 2.8785, 1.2432 looks on a white background.

Color Contrast Check

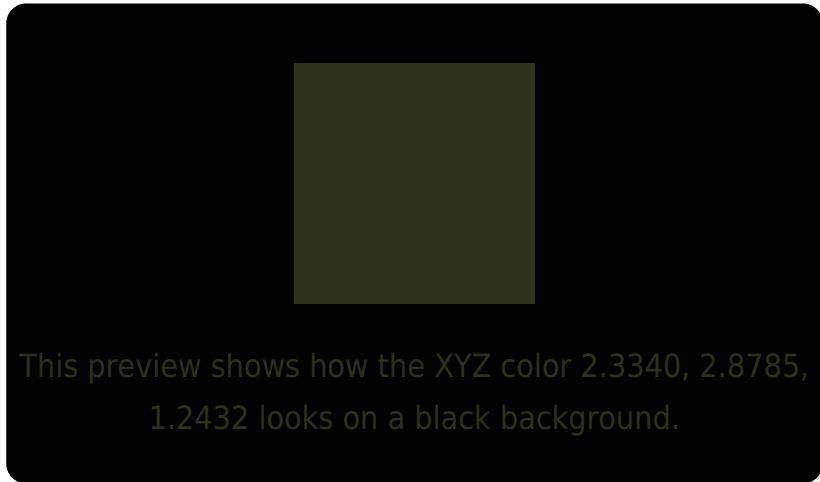
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

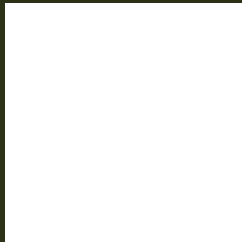
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 2.3340, 2.8785, 1.2432

Background



This preview shows how black text looks on a background with the XYZ color 2.3340, 2.8785, 1.2432.

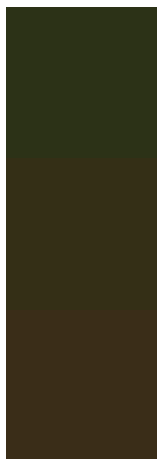


This preview shows how white text looks on a background with the XYZ color 2.3340, 2.8785, 1.2432.

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

2.3340, 2.8785, 1.2432

Protanopia

2.5775, 2.8210, 1.1677

Deuteranopia

2.8482, 2.8423, 1.2626



Tritanopia

2.7863, 2.8764, 3.5403

Trichromacy



Original Color

2.3340, 2.8785, 1.2432

Protanomaly

2.4684, 2.8248, 1.1742

Deuteranomaly

2.6496, 2.8559, 1.2757

Tritanomaly

2.5839, 2.8548, 2.5127

Monochromacy



Original Color

2.3340, 2.8785, 1.2432

Achromatopsia

2.4942, 2.6241, 2.8577

Achromatomaly

2.4326, 2.7245, 2.1479

CSS Examples

Text

The CSS property to change the color of the text to XYZ 2.3340, 2.8785, 1.2432 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(44, 50, 23)` looks like.

```
.text, #text, p{  
    color:rgb(44, 50, 23)  
}
```

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(44, 50, 23) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(44, 50, 23) }
```

Border

The CSS property to change the border of an element to XYZ 2.3340, 2.8785, 1.2432 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(44, 50, 23) }
```

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

```
.border{ border-color:rgb(44, 50, 23) }
```

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

Here you see how a box with a 4 pixel `rgb(44, 50, 23)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(44, 50, 23); -webkit-box-  
shadow:4px 4px 4px 4px rgb(44, 50, 23);  
box-shadow:4px 4px 4px 4px rgb(44, 50, 23)  
}
```


Background

The CSS property to change the background color of an element to XYZ 2.3340, 2.8785, 1.2432 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(44, 50, 23) }
```

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

```
.background{ background-color: rgb(44, 50,  
23) }
```

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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