

Converting Colors

XYZ(1.3020, 1.5367, 0.2230)

Have a look what the booklet for
XYZ(1.3020, 1.5367, 0.2230)
contains.

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Color

XYZ(1.2996, 1.5191, 0.2247)

Conversions

Conversions Part 1

Format	Color
Hex	242200
RGB	36, 34, 0
RGB Percent	14%, 13%, 0%
CMY	0.8588, 0.8667, 1.0000
CMYK	0.00, 0.06, 1.00, 0.86
HSL	57°, 100%, 7%
HSV	57°, 100%, 14%
XYZ	1.2996, 1.5191, 0.2247
YIQ	30.7220, 12.1060, -10.1500

Conversions

Conversions Part 2

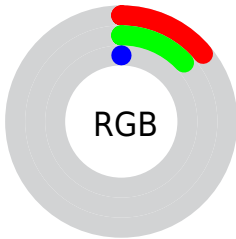
Format	Color
R_{YB}	2, 36, 0
Decimal	2368000
CIE Lab	12.73, -4.27, 18.73
CIE LCh	13, 19.213, 102.840
Yxy	1.5191, 0.4270, 0.4991
Android (android.graphics.Color)	4280558080 (0xFF242200)
YUV	30.7220, -15.1459, 4.6288
Hunter-Lab	12.3252, -2.7475, 7.5467

Details

The XYZ color **1.2996, 1.5191, 0.2247** is a dark color, and the websafe version is hex **333300**. A complement of this color would be **0.3402, 0.1708, 1.6842**, and the grayscale version is **1.2927, 1.3601, 1.4811**.

A 20% lighter version of the original color is **6.6308, 7.4033, 3.7688**, and **0.0000, 0.0000, 0.0000** is the 20% darker color. If you saturate the color by 10%, you get **1.2996, 1.5192, 0.2247**, and if you desaturate by 10%, it is **1.3251, 1.5385, 0.3305**.

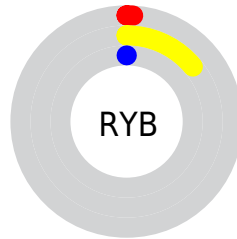
Distribution



Red (14%)

Green (13%)

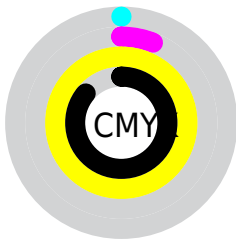
Blue (0%)



Red (1%)

Yellow (14%)

Blue (0%)

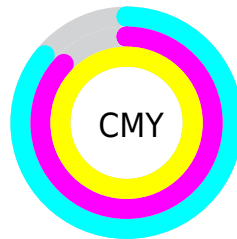


Cyan (0%)

Magenta (6%)

Yellow (100%)

Black (86%)



Cyan (86%)

Magenta (87%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 1.2996, 1.5191, 0.2247 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 1.2996, 1.5191, 0.2247 by changing the saturation by 10% instead.

■ 1.2996, 1.5191,
0.2247

■ 1.2996, 1.5191,
0.2247

■ 99.3846, 107.2250,
87.5421

■ 0.1829, 0.3021,
0.0000

■ 6.6247, 7.4129,
3.7868

■ 0.0000, 0.0000,
0.0000

■ 11.7209, 12.9773,
7.6492


■ 18.9265, 20.7992,
13.5149


■ 28.6070, 31.2629,
21.8025


■ 41.1277, 44.7530,
32.9305


■ 56.8539, 61.6538,


47.3174


 76.1511, 82.3497,
65.3817


 1.2996, 1.5191,
0.2247


 1.2996, 1.5191,
0.2247


 1.2996, 1.5192,
0.2247

 1.3251, 1.5385,
0.3305

 1.3506, 1.5580,
0.4363

 1.3762, 1.5775,
0.5425

 1.4048, 1.5983,
0.6643

 1.4378, 1.6209,
0.8094

■ 1.4755, 1.6454,
0.9788

■ 1.5181, 1.6719,
1.1738

■ 1.5658, 1.7005,
1.3952

■ 1.6187, 1.7313,
1.6441

Harmonies

Analogous

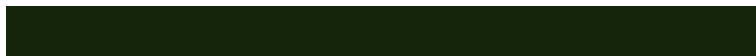
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



1.6514, 1.5191, 0.2509



1.2996, 1.5191, 0.2247



1.0334, 1.5191, 0.5494

Triad

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



1.2996, 1.5191, 0.2247



1.0050, 1.5191, 3.3383



2.1859, 1.5191, 2.2894

Complementary

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



1.2996, 1.5191, 0.2247



0.3402, 0.1708, 1.6842

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.



1.9507, 1.5191, 3.5048



1.2996, 1.5191, 0.2247



1.2545, 1.5191, 4.2589

Square

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



1.2996, 1.5191, 0.2247



0.8827, 1.5191, 2.1197



1.5984, 1.5191, 4.3298



2.2032, 1.5191, 1.2621

Rectangle

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



1.2996, 1.5191, 0.2247



0.9247, 1.5191, 0.9212



1.5984, 1.5191, 4.3298



2.1282, 1.5191, 2.6974

Sweetspot

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



1.2996, 1.5192, 0.2247



2.3282, 2.5706, 1.7492



0.7407, 0.3803, 0.1033



0.7326, 0.8079, 0.5577



29.1803, 30.6999, 33.4322



0.8118, 0.8540, 0.9300

Same Dimension

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



1.2996, 1.5192, 0.2247



1.9988, 2.3318, 0.3447



0.9276, 1.4148, 0.2242



0.5530, 0.5893, 0.5774



6.1035, 7.0929, 1.0474



46.3983, 53.7209, 7.9237

Inverse Universe

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



0.3402, 0.1708, 1.6842



0.5189, 0.2518, 2.5957



0.5254, 0.2341, 1.6866



0.5105, 0.5294, 0.6411



1.5570, 0.7016, 7.9564



11.6479, 4.8622, 60.7111

Previews

White Background



This preview shows how the XYZ color 1.2996, 1.5191, 0.2247 looks on a white background.

Color Contrast Check

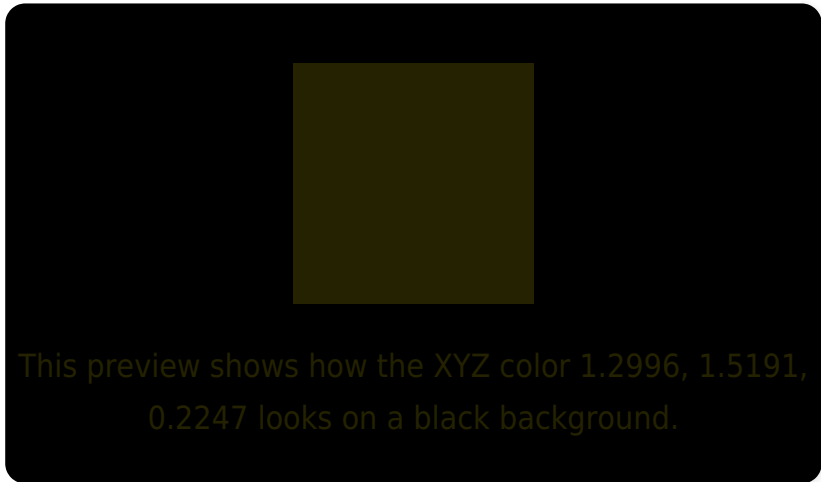
Large Text (above 18pt) WCAG AA ✓ Pass

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

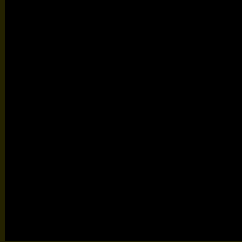
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 1.2996, 1.5191, 0.2247

Background



This preview shows how black text looks on a background with the XYZ color 1.2996, 1.5191, 0.2247.

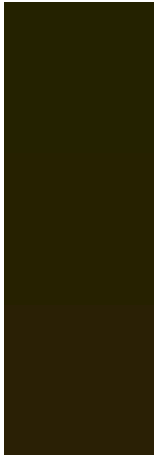


This preview shows how white text looks on a background with the XYZ color 1.2996, 1.5191, 0.2247.

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

1.2996, 1.5191, 0.2247

Protanopia

1.3432, 1.4998, 0.2187

Deuteranopia

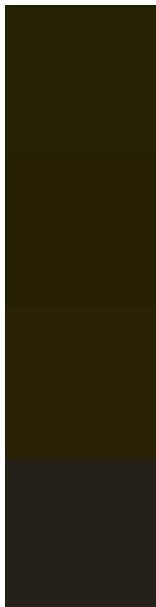
1.4987, 1.5362, 0.3611



Tritanopia

1.6046, 1.5606, 1.7300

Trichromacy



Original Color

1.2996, 1.5191, 0.2247

Protanomaly

1.3068, 1.4810, 0.2170

Deuteranomaly

1.4354, 1.5454, 0.3088

Tritanomaly

1.4516, 1.5390, 0.9796

Monochromacy



Original Color

1.2996, 1.5191, 0.2247

Achromatopsia

1.3024, 1.3702, 1.4922

Achromatomaly

1.2700, 1.4069, 0.8664

CSS Examples

Text

The CSS property to change the color of the text to XYZ 1.2996, 1.5191, 0.2247 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(36, 34, 0)` looks like.

```
.text, #text, p{  
    color:rgb(36, 34, 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(36, 34, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(36, 34, 0) }
```

Border

The CSS property to change the border of an element to XYZ 1.2996, 1.5191, 0.2247 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(36, 34, 0) }
```

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

```
.border{ border-color:rgb(36, 34, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(36, 34, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(36, 34, 0); -webkit-box-shadow:4px  
4px 4px 4px rgb(36, 34, 0); box-shadow:4px  
4px 4px 4px rgb(36, 34, 0) }
```


Background

The CSS property to change the background color of an element to XYZ 1.2996, 1.5191, 0.2247 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(36, 34, 0) }
```

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

```
.background{ background-color: rgb(36, 34,  
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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