

Converting Colors

XYZ(0.7228, 1.7719, 1.5737)

Have a look what the booklet for
XYZ(0.7228, 1.7719, 1.5737)
contains.

XYZ(1.2243, 2.0529, 1.6280)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

XYZ(1.2243, 2.0529, 1.6280)

Conversions

Conversions Part 1

Format	Color
Hex	002E1F
RGB	0, 46, 31
RGB Percent	0%, 18%, 12%
CMY	1.0000, 0.8196, 0.8784
CMYK	1.00, 0.00, 0.33, 0.82
HSL	160°, 100%, 9%
HSV	160°, 100%, 18%
XYZ	1.2243, 2.0529, 1.6280
YIQ	30.5360, -22.6010, -14.4170

Conversions

Conversions Part 2

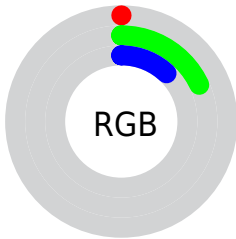
Format	Color
RYB	0, 27, 46
Decimal	11807
CIELab	15.76, -19.70, 5.49
CIELCh	16, 20.451, 164.424
Yxy	2.0529, 0.2496, 0.4185
Android (android.graphics.Color)	4278201887 (0xFF002E1F)
YUV	30.5360, 0.2288, -26.7801
Hunter-Lab	14.3279, -9.8214, 3.2928

Details

The XYZ color **1.2243, 2.0529, 1.6280** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **1.2130, 0.6154, 0.5069**, and the grayscale version is **1.2714, 1.3376, 1.4567**.

A 20% lighter version of the original color is **6.3638, 8.8153, 8.0227**, and **0.0000, 0.0000, 0.0000** is the 20% darker color. If you saturate the color by 10%, you get **1.2243, 2.0530, 1.6280**, and if you desaturate by 10%, it is **1.3022, 2.0908, 1.7373**.

Distribution



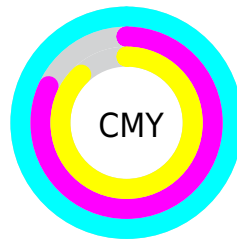
- Red (0%)
- Green (18%)
- Blue (12%)



- Red (0%)
- Yellow (11%)
- Blue (18%)



- Cyan (100%)
- Magenta (0%)
- Yellow (33%)
- Black (82%)




- Cyan (100%)
- Magenta (82%)
- Yellow (88%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 1.2243, 2.0529, 1.6280 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 1.2243, 2.0529, 1.6280 by changing the saturation by 10% instead.

 1.2243, 2.0529,
1.6280

 1.2243, 2.0529,
1.6280


 98.0073, 115.6555,
116.3033

 0.1254, 0.6379,
0.3107


 6.3998, 8.8853,
7.9963

 0.0000, 0.0000,
0.0000

 11.3912, 15.0938,
14.0209


 18.4721, 23.6765,
22.4972


 28.0079, 35.0177,
33.8438


 40.3640, 49.5018,
48.4791


 55.9057, 67.5132,


66.8218


 74.9983, 89.4363,
89.2903


 1.2243, 2.0529,
1.6280


 1.2243, 2.0529,
1.6280


 1.2243, 2.0530,
1.6280

 1.3022, 2.0908,
1.7373

 1.3809, 2.1289,
1.8515

 1.4659, 2.1702,
1.9709

 1.5680, 2.2201,
2.0962

 1.6884, 2.2794,
2.2273

■ 1.8281, 2.3485,
2.3645

■ 1.9880, 2.4280,
2.5078

■ 2.1689, 2.5181,
2.6573

■ 2.3717, 2.6194,
2.8131

Harmonies

Analogous

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



1.4009, 2.0529, 0.8789



1.2243, 2.0529, 1.6280



1.2210, 2.0529, 2.9189

Triad

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



1.2243, 2.0529, 1.6280



2.1772, 2.0529, 5.6436



2.6447, 2.0529, 0.8992

Complementary

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



1.2243, 2.0529, 1.6280



1.2130, 0.6154, 0.5069

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.



2.9265, 2.0529, 1.6677



1.2243, 2.0529, 1.6280



2.6295, 2.0529, 4.5432

Square

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



1.2243, 2.0529, 1.6280



1.7257, 2.0529, 5.6194



2.9205, 2.0529, 2.9774



2.1956, 2.0529, 0.5227

Rectangle

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



1.2243, 2.0529, 1.6280



1.3152, 2.0529, 3.9709



2.9205, 2.0529, 2.9774



2.7650, 2.0529, 1.0974

Sweetspot

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



1.2244, 2.0530, 1.6280



3.1033, 3.8209, 3.9315



1.1795, 2.0584, 0.3352



0.9576, 1.1828, 1.2152



32.5443, 34.2392, 37.2864



1.2748, 1.3412, 1.4605

Same Dimension

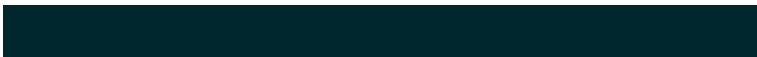
The Same Dimension uses a secret algorithm to generate beautiful new colors.



1.2244, 2.0530, 1.6280



1.9210, 3.2421, 2.4898



1.1970, 1.6050, 2.8315



0.7542, 0.8252, 0.8888



4.1586, 7.0778, 5.2071



29.1579, 50.2187, 34.6816

Inverse Universe

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



1.2130, 0.6154, 0.5069



1.9016, 0.9666, 0.7081



1.2100, 0.7473, 0.0805



0.7532, 0.7610, 0.8364



4.1154, 2.0970, 1.3037



28.8908, 14.7666, 7.0974

Previews

White Background



This preview shows how the XYZ color 1.2243, 2.0529, 1.6280 looks on a white background.

Color Contrast Check

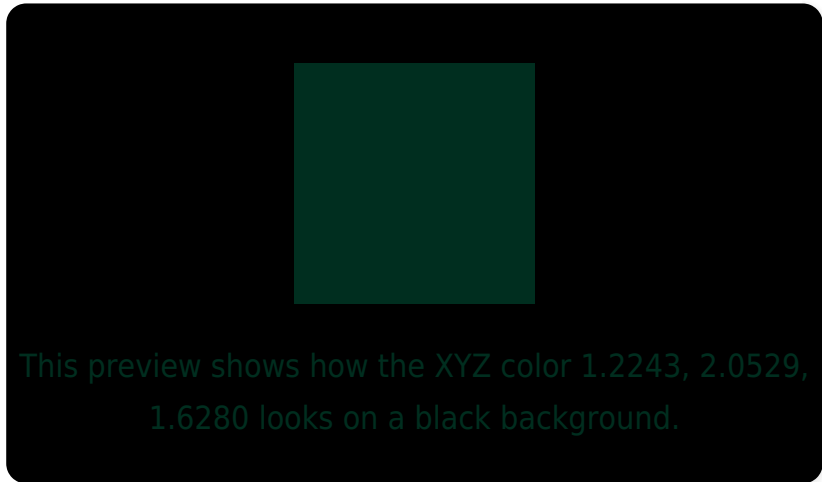
Large Text (above 18pt) WCAG AA ✓ Pass

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 1.2243, 2.0529, 1.6280

Background



This preview shows how black text looks on a background with the XYZ color 1.2243, 2.0529, 1.6280.



This preview shows how white text looks on a background with the XYZ color 1.2243, 2.0529, 1.6280.

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

1.2243, 2.0529, 1.6280

Protanopia

1.9647, 2.1150, 1.4033

Deuteranopia

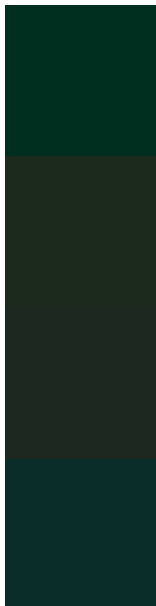
2.0943, 2.0769, 1.7293



Tritanopia

1.6479, 2.1249, 3.1196

Trichromacy



Original Color

1.2243, 2.0529, 1.6280

Protanomaly

1.5017, 1.9776, 1.4650

Deuteranomaly

1.5603, 1.9514, 1.6609

Tritanomaly

1.4815, 2.1085, 2.5194

Monochromacy



Original Color

1.2243, 2.0529, 1.6280

Achromatopsia

1.3024, 1.3702, 1.4922

Achromatomaly

1.1667, 1.5094, 1.5262

CSS Examples

Text

The CSS property to change the color of the text to XYZ 1.2243, 2.0529, 1.6280 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(0, 46, 31)` looks like.

```
.text, #text, p{  
    color:rgb(0, 46, 31)  
}
```

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(0, 46, 31) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 46, 31) }
```

Border

The CSS property to change the border of an element to XYZ 1.2243, 2.0529, 1.6280 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(0, 46, 31) }
```

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

```
.border{ border-color:rgb(0, 46, 31) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 46, 31)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 46, 31); -webkit-box-shadow:4px  
4px 4px 4px rgb(0, 46, 31); box-shadow:4px  
4px 4px 4px rgb(0, 46, 31) }
```


Background

The CSS property to change the background color of an element to XYZ 1.2243, 2.0529, 1.6280 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 46, 31) }
```

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

```
.background{ background-color: rgb(0, 46,  
31) }
```

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