

Converting Colors

XYZ(7.1187, 11.9543, 6.7898)

Have a look what the booklet for
XYZ(7.1187, 11.9543, 6.7898)
contains.

XYZ(7.1453, 12.0151, 6.7930)	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(7.1453, 12.0151,
6.7930)**

Conversions

Conversions Part 1

Format	Color
Hex	1E6F40
RGB	30, 111, 64
RGB Percent	12%, 44%, 25%
CMY	0.8823, 0.5647, 0.7490
CMYK	0.73, 0.00, 0.42, 0.56
HSL	145°, 57%, 28%
HSV	145°, 73%, 44%
XYZ	7.1453, 12.0151, 6.7930
YIQ	81.4230, -33.1890, -31.7890

Conversions

Conversions Part 2

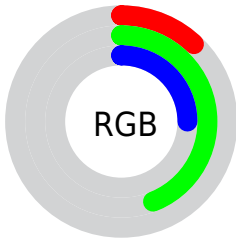
Format	Color
R_{YB}	30, 87, 111
Decimal	1994560
CIE _{Lab}	41.24, -35.70, 19.37
CIE _{LCh}	41, 40.616, 151.521
Yxy	12.0151, 0.2753, 0.4629
Android (android.graphics.Color)	4280184640 (0xFF1E6F40)
YUV	81.4230, -8.5895, -45.0980
Hunter-Lab	34.6628, -23.8644, 12.6447

Details

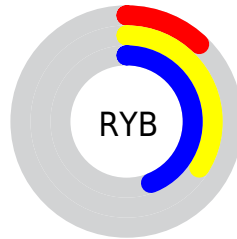
The XYZ color **7.1453, 12.0151, 6.7930** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **8.3598, 4.8442, 7.5162**, and the grayscale version is **7.9265, 8.3393, 9.0815**.

A 20% lighter version of the original color is **19.8596, 29.3427, 19.9462**, and **1.8489, 3.4958, 1.2391** is the 20% darker color. If you saturate the color by 10%, you get **6.7039, 11.8078, 5.8704**, and if you desaturate by 10%, it is **7.7227, 12.2907, 7.8331**.

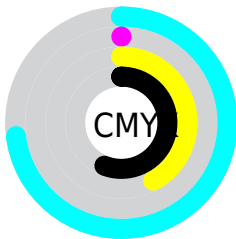
Distribution



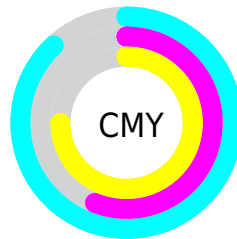
- Red (12%)
- Green (44%)
- Blue (25%)



- Red (12%)
- Yellow (34%)
- Blue (44%)



- Cyan (73%)
- Magenta (0%)
- Yellow (42%)
- Black (56%)





- Cyan (88%)
- Magenta (56%)
- Yellow (75%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 7.1453, 12.0151, 6.7930 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 7.1453, 12.0151, 6.7930 by changing the saturation by 10% instead.


 7.1453, 12.0151,
6.7930


 7.1453, 12.0151,
6.7930


163.3841,
204.5052, 175.4976


 3.6003, 6.7540,
3.2565


 19.9668, 29.5226,
20.0613

 1.4786, 3.3087,
1.2271

 29.9739, 42.5378,
30.6302


 0.3112, 1.2949,
0.0009

 42.8658, 58.9064,
44.3802

 0.0000, 0.1373,
0.0000

 59.0078, 79.0129,
61.7300

 0.0000, 0.0000,
0.0000

 78.7653, 103.2416,
83.0982

 102.5036,

131.9770, 108.9031

130.5881,
165.6034, 139.5634

■ 7.1453, 12.0151,
6.7930

■ 7.1453, 12.0151,
6.7930

■ 6.7039, 11.8078,
5.8704

■ 7.7227, 12.2907,
7.8331

■ 6.3825, 11.6598,
5.0599

■ 8.4467, 12.6390,
8.9939

■ 6.1896, 11.5713,
4.5536

■ 9.3279, 13.0657,
10.2797

■ 10.3753, 13.5754,
11.6940

■ 11.5977, 14.1726,
13.2405

■ 13.0028, 14.8612,
14.9225

■ 14.5981, 15.6450,
16.7433

■ 16.3906, 16.5275,
18.7060

■ 18.3869, 17.5120,
20.8138

Harmonies

Analogous

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



8.7179, 12.0151, 3.5791



7.1453, 12.0151, 6.7930



6.6590, 12.0151, 13.5158

Triad

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



7.1453, 12.0151, 6.7930



11.5704, 12.0151, 36.7828



16.9340, 12.0151, 6.3245

Complementary

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



7.1453, 12.0151, 6.7930



8.3598, 4.8442, 7.5162

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.



18.0366, 12.0151, 12.6583



7.1453, 12.0151, 6.7930



14.6297, 12.0151, 32.2468

Square

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



7.1453, 12.0151, 6.7930



8.9363, 12.0151, 33.0355



17.1294, 12.0151, 22.3947



14.3259, 12.0151, 3.4014

Rectangle

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



7.1453, 12.0151, 6.7930



6.9358, 12.0151, 19.9473



17.1294, 12.0151, 22.3947



17.5112, 12.0151, 8.0066

Sweetspot

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



7.1456, 12.0156, 6.7933



20.8545, 25.4204, 23.8162



9.0000, 13.0514, 3.2733



4.8973, 6.0519, 5.5824



55.7959, 58.7016, 63.9261



6.5000, 6.8385, 7.4471

Same Dimension

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



7.1456, 12.0156, 6.7933



11.5596, 20.9378, 9.4153



8.7317, 12.6500, 15.1455



3.3977, 3.7843, 3.9008



7.2808, 13.6298, 5.2994



35.8576, 67.7317, 24.2331

Inverse Universe

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



8.3598, 4.8442, 7.5162



13.8632, 7.2331, 10.7134



7.3502, 4.4403, 2.1996



3.4580, 3.4309, 3.9387



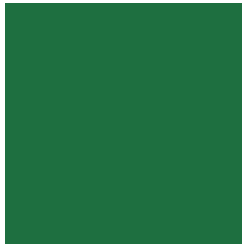
8.8161, 4.4188, 6.1075



43.4793, 21.8370, 28.1200

Previews

White Background



This preview shows how the XYZ color 7.1453, 12.0151, 6.7930 looks on a white background.

Color Contrast Check

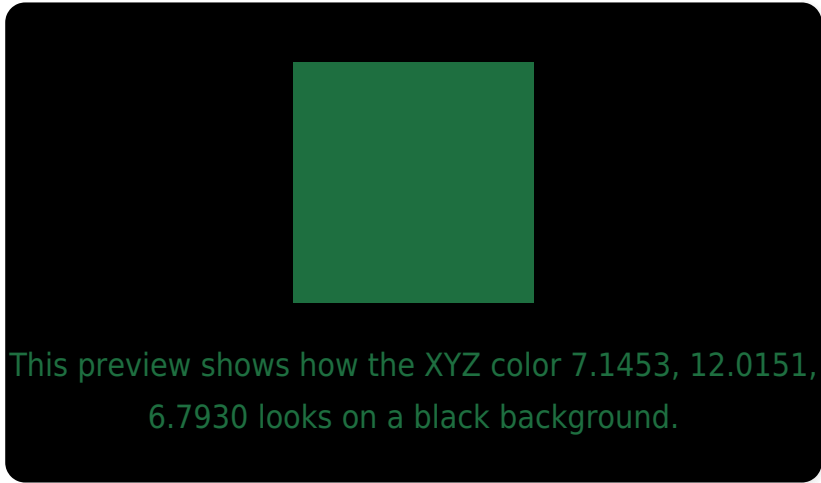
Large Text (above 18pt) WCAG AA ✓ Pass

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 7.1453, 12.0151, 6.7930

Background



This preview shows how black text looks on a background with the XYZ color 7.1453, 12.0151, 6.7930.



This preview shows how white text looks on a background with the XYZ color 7.1453, 12.0151,

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

7.1453, 12.0151, 6.7930

Protanopia

11.0080, 11.9293, 5.8601

Deuteranopia

12.0280, 11.8909, 7.1301



Tritanopia

9.3555, 11.9710, 17.7371

Trichromacy



Original Color

7.1453, 12.0151, 6.7930

Protanomaly

8.7356, 11.4594, 6.1663

Deuteranomaly

9.2264, 11.4044, 7.0252

Tritanomaly

8.3239, 11.8522, 12.9153

Monochromacy



Original Color

7.1453, 12.0151, 6.7930

Achromatopsia

7.8210, 8.2283, 8.9606

Achromatomaly

7.0838, 9.1864, 8.0564

CSS Examples

Text

The CSS property to change the color of the text to XYZ 7.1453, 12.0151, 6.7930 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(30, 111, 64)` looks like.

```
.text, #text, p{  
    color:rgb(30, 111, 64)  
}
```

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(30, 111, 64) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(30, 111, 64) }
```

Border

The CSS property to change the border of an element to XYZ 7.1453, 12.0151, 6.7930 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(30, 111, 64) }
```


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

```
.border{ border-color:rgb(30, 111, 64) }
```

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

Here you see how a box with a 4 pixel rgb(30, 111, 64) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(30, 111, 64); -webkit-box-  
shadow:4px 4px 4px 4px rgb(30, 111, 64);  
box-shadow:4px 4px 4px 4px rgb(30, 111,  
64) }
```

Background

The CSS property to change the background color of an element to XYZ 7.1453, 12.0151, 6.7930 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(30, 111, 64) }
```

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

```
.background{ background-color: rgb(30, 111,  
64) }
```

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