

Converting Colors

XYZ(7.7941, 14.6139, 2.7689)

Have a look what the booklet for
XYZ(7.7941, 14.6139, 2.7689)
contains.

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Color

**XYZ(7.7450, 14.4995,
2.7383)**

Conversions

Conversions Part 1

Format	Color
Hex	207B0C
RGB	32, 123, 12
RGB Percent	13%, 48%, 5%
CMY	0.8745, 0.5176, 0.9529
CMYK	0.74, 0.00, 0.90, 0.52
HSL	109°, 82%, 26%
HSV	109°, 90%, 48%
XYZ	7.7450, 14.4995, 2.7383
YIQ	83.1370, -18.6050, -53.8130

Conversions

Conversions Part 2

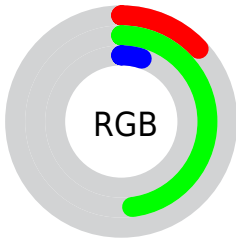
Format	Color
RYB	12, 123, 103
Decimal	2128652
CIELab	44.94, -45.91, 46.47
CIELCh	45, 65.325, 134.648
Yxy	14.4995, 0.3100, 0.5804
Android (android.graphics.Color)	4280318732 (0xFF207B0C)
YUV	83.1370, -35.0705, -44.8471
Hunter-Lab	38.0782, -30.3305, 22.3911

Details

The XYZ color **7.7450, 14.4995, 2.7383** is a dark color, and the websafe version is hex **006600**. A complement of this color would be **9.3012, 4.5772, 19.1329**, and the grayscale version is **8.3224, 8.7558, 9.5351**.

A 20% lighter version of the original color is **21.2797, 34.1888, 10.9464**, and **2.3825, 4.7651, 0.7942** is the 20% darker color. If you saturate the color by 10%, you get **7.4176, 14.3388, 2.3767**, and if you desaturate by 10%, it is **8.2097, 14.7277, 3.2910**.

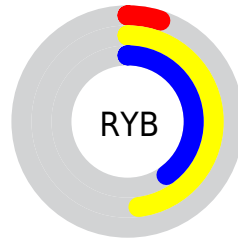
Distribution



Red (13%)

Green (48%)

Blue (5%)



Red (5%)

Yellow (48%)

Blue (40%)

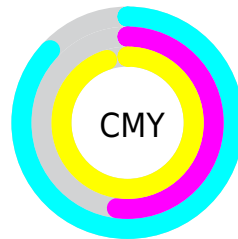


Cyan (74%)

Magenta (0%)

Yellow (90%)

Black (52%)



Cyan (87%)


Magenta (52%)


Yellow (95%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 7.7450, 14.4995, 2.7383 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 7.7450, 14.4995, 2.7383 by changing the saturation by 10% instead.


 7.7450, 14.4995,
2.7383


 7.7450, 14.4995,
2.7383


168.1314,
220.3165, 132.9544


 3.9826, 8.4689,
0.9626


 21.1472, 33.9727,
10.9755


 1.6923, 4.3964,
0.0000

 31.5178, 48.1841,
18.2742


 0.4515, 1.8977,
0.0000

 44.8219, 65.8913,
28.2509

 0.0000, 0.5470,
0.0000

 61.4247, 87.4785,
41.3242


 0.0000, 0.0000,
0.0000


 81.6918, 113.3302,
57.9127


 105.9883,


143.8309, 78.4348


 134.6798,
179.3648, 103.3092


 7.7450, 14.4995,
2.7383


 7.7450, 14.4995,
2.7383


 7.4176, 14.3388,
2.3767

 8.2097, 14.7277,
3.2910

 8.8360, 15.0322,
4.1539

 9.6383, 15.4198,
5.3638

 10.6290, 15.8964,
6.9524

 11.8194, 16.4671,
8.9475

■ 13.2198, 17.1368,
11.3746

■ 14.8399, 17.9099,
14.2569

■ 16.6886, 18.7905,
17.6161

■ 18.7745, 19.7826,
21.4723

Harmonies

Analogous

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



11.3413, 14.4995, 0.9990



7.7450, 14.4995, 2.7383



6.0541, 14.4995, 9.2045

Triad

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



7.7450, 14.4995, 2.7383



11.2346, 14.4995, 64.6096



26.3144, 14.4995, 9.4504

Complementary

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



7.7450, 14.4995, 2.7383



9.3012, 4.5772, 19.1329

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.



26.2641, 14.4995, 24.9368



7.7450, 14.4995, 2.7383



16.5484, 14.4995, 64.8493

Square

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



7.7450, 14.4995, 2.7383



7.6844, 14.4995, 46.8391



22.3433, 14.4995, 47.3689



22.4667, 14.4995, 2.8186

Rectangle

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



7.7450, 14.4995, 2.7383



5.8637, 14.4995, 18.2960



22.3433, 14.4995, 47.3689



26.7794, 14.4995, 13.5194

Sweetspot

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



7.7453, 14.5001, 2.7386



24.3812, 31.0250, 21.6178



13.0509, 13.8693, 2.3372



5.5637, 7.2216, 4.7767



60.6688, 63.8283, 69.5090



7.9400, 8.3535, 9.0970

Same Dimension

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



7.7453, 14.5001, 2.7386



13.1888, 25.6279, 4.2516



7.7512, 14.4511, 5.0866



4.0121, 4.4815, 4.2781



7.6695, 14.8310, 2.4584



36.0552, 70.4725, 11.7023

Inverse Universe

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



9.3012, 4.5772, 19.1329



15.8727, 7.4431, 34.1567



10.0556, 5.1764, 9.6699



4.0871, 4.0428, 5.0081



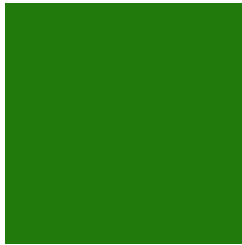
9.2281, 4.3300, 19.7347



43.3669, 20.3184, 94.1060

Previews

White Background



This preview shows how the XYZ color 7.7450, 14.4995, 2.7383 looks on a white background.

Color Contrast Check

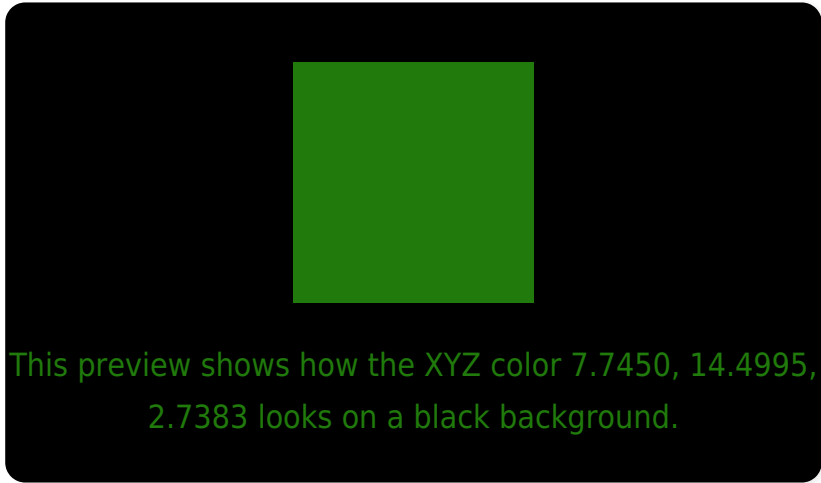
Large Text (above 18pt) WCAG AA ✓ Pass

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 7.7450, 14.4995, 2.7383

Background



This preview shows how black text looks on a background with the XYZ color 7.7450, 14.4995, 2.7383.



This preview shows how white text looks on a background with the XYZ color 7.7450, 14.4995,

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

7.7450, 14.4995, 2.7383

Protanopia

12.7618, 14.2300, 2.0740

Deuteranopia

14.4396, 14.1847, 3.0755



Tritanopia

11.4590, 14.4197, 21.2481

Trichromacy



Original Color

7.7450, 14.4995, 2.7383

Protanomaly

9.7466, 13.6233, 2.2307

Deuteranomaly

10.3313, 13.2698, 2.7759

Tritanomaly

9.1892, 14.0001, 10.4016

Monochromacy



Original Color

7.7450, 14.4995, 2.7383

Achromatopsia

8.2219, 8.6500, 9.4199

Achromatomaly

7.2206, 10.1208, 5.4438

CSS Examples

Text

The CSS property to change the color of the text to XYZ 7.7450, 14.4995, 2.7383 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(32, 123, 12)` looks like.

```
.text, #text, p{  
    color:rgb(32, 123, 12)  
}
```

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(32, 123, 12) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(32, 123, 12) }
```

Border

The CSS property to change the border of an element to XYZ 7.7450, 14.4995, 2.7383 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(32, 123, 12) }
```


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

```
.border{ border-color:rgb(32, 123, 12) }
```

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

Here you see how a box with a 4 pixel `rgb(32, 123, 12)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(32, 123, 12); -webkit-box-  
shadow:4px 4px 4px 4px rgb(32, 123, 12);  
box-shadow:4px 4px 4px 4px rgb(32, 123,  
12) }
```

Background

The CSS property to change the background color of an element to XYZ 7.7450, 14.4995, 2.7383 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(32, 123, 12) }
```

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

```
.background{ background-color: rgb(32, 123,  
12) }
```

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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