

Converting Colors

XYZ(7.5972, 13.4531, 2.1963)

Have a look what the booklet for
XYZ(7.5972, 13.4531, 2.1963)
contains.

XYZ(7.6507, 13.5612, 2.2143)	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(7.6507, 13.5612,
2.2143)**

Conversions

Conversions Part 1

Format	Color
Hex	2F7600
RGB	47, 118, 0
RGB Percent	18%, 46%, 0%
CMY	0.8157, 0.5372, 1.0000
CMYK	0.60, 0.00, 1.00, 0.54
HSL	96°, 100%, 23%
HSV	96°, 100%, 46%
XYZ	7.6507, 13.5612, 2.2143
YIQ	83.3190, -4.4380, -51.7500

Conversions

Conversions Part 2

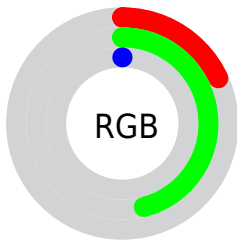
Format	Color
RYB	0, 118, 71
Decimal	3110400
CIELab	43.60, -41.00, 48.16
CIELCh	44, 63.249, 130.406
Yxy	13.5612, 0.3266, 0.5789
Android (android.graphics.Color)	4281300480 (0xFF2F7600)
YUV	83.3190, -41.0763, -31.8518
Hunter-Lab	36.8255, -27.3604, 22.2128

Details

The XYZ color **7.6507, 13.5612, 2.2143** is a dark color, and the websafe version is hex **006600**. A complement of this color would be **5.8694, 2.6481, 17.3421**, and the grayscale version is **8.3694, 8.8053, 9.5890**.

A 20% lighter version of the original color is **21.0259, 32.3572, 9.6948**, and **2.0671, 4.1342, 0.6890** is the 20% darker color. If you saturate the color by 10%, you get **7.6508, 13.5617, 2.2144**, and if you desaturate by 10%, it is **8.0706, 13.7706, 2.5743**.

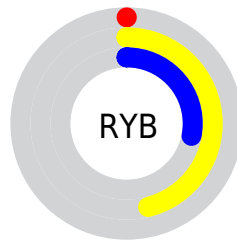
Distribution



Red (18%)

Green (46%)

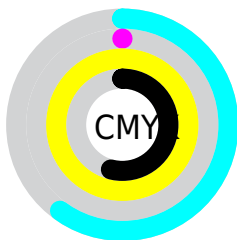
Blue (0%)



Red (0%)

Yellow (46%)

Blue (28%)

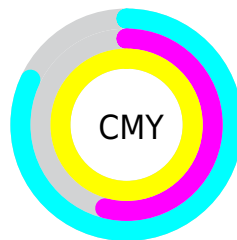


Cyan (60%)

Magenta (0%)

Yellow (100%)

Black (54%)



Cyan (82%)

Magenta (54%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 7.6507, 13.5612, 2.2143 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 7.6507, 13.5612, 2.2143 by changing the saturation by 10% instead.

■ 7.6507, 13.5612,
2.2143

■ 7.6507, 13.5612,
2.2143

167.3957,
214.4837, 125.6204

■ 3.9222, 7.8161,
0.6826

■ 20.9628, 32.3084,
9.6188

■ 1.6582, 3.9775,
0.0000

■ 31.2771, 46.0793,
16.3552

■ 0.4299, 1.6610,
0.0000

■ 44.5174, 63.2942,
25.6725

■ 0.0000, 0.3982,
0.0000

■ 61.0490, 84.3376,
37.9892


■ 0.0000, 0.0000,
0.0000


■ 81.2372, 109.5939,
53.7237


■ 105.4475,


139.4474, 73.2948


 134.0452,
174.2825, 97.1208


 7.6507, 13.5612,
2.2143


 7.6507, 13.5612,
2.2143


 7.6508, 13.5617,
2.2144

 8.0706, 13.7706,
2.5743

 8.5764, 14.0202,
3.0970

 9.1931, 14.3210,
3.9016

 9.9292, 14.6765,
5.0208

 10.7919, 15.0897,
6.4824

■ 11.7878, 15.5637,
8.3117

■ 12.9232, 16.1011,
10.5311

■ 14.2037, 16.7043,
13.1615

■ 15.6347, 17.3757,
16.2223

Harmonies

Analogous

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



11.2452, 13.5612, 0.9060



7.6507, 13.5612, 2.2143



5.8397, 13.5612, 7.3794

Triad

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



7.6507, 13.5612, 2.2143



9.9530, 13.5612, 58.2293



24.7045, 13.5612, 10.3682

Complementary

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



7.6507, 13.5612, 2.2143



5.8694, 2.6481, 17.3421

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.



24.1004, 13.5612, 25.9275



7.6507, 13.5612, 2.2143



14.6867, 13.5612, 61.0971

Square

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



7.6507, 13.5612, 2.2143



6.9140, 13.5612, 40.4298



20.0982, 13.5612, 46.7813



21.5835, 13.5612, 3.2056

Rectangle

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



7.6507, 13.5612, 2.2143



5.5206, 13.5612, 14.9597



20.0982, 13.5612, 46.7813



24.9465, 13.5612, 14.5736

Sweetspot

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



7.6510, 13.5618, 2.2146



22.5634, 28.2348, 18.1982



9.7124, 8.3333, 1.0968



5.0317, 6.4179, 3.8749



57.3938, 60.3827, 65.7568



6.9614, 7.3239, 7.9757

Same Dimension

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



7.6510, 13.5618, 2.2146



13.3116, 23.7725, 3.8870



6.5440, 12.9835, 2.5028



3.7659, 4.1628, 3.9473



8.2632, 14.6642, 2.3950



39.3578, 70.9914, 11.6284

Inverse Universe

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



5.8694, 2.6481, 17.3421



10.1700, 4.5786, 30.4847



10.0837, 4.8967, 14.1047



3.6922, 3.6886, 4.6076



6.3351, 2.8572, 18.7602



29.8863, 13.4155, 91.3745

Previews

White Background



This preview shows how the XYZ color 7.6507, 13.5612, 2.2143 looks on a white background.

Color Contrast Check

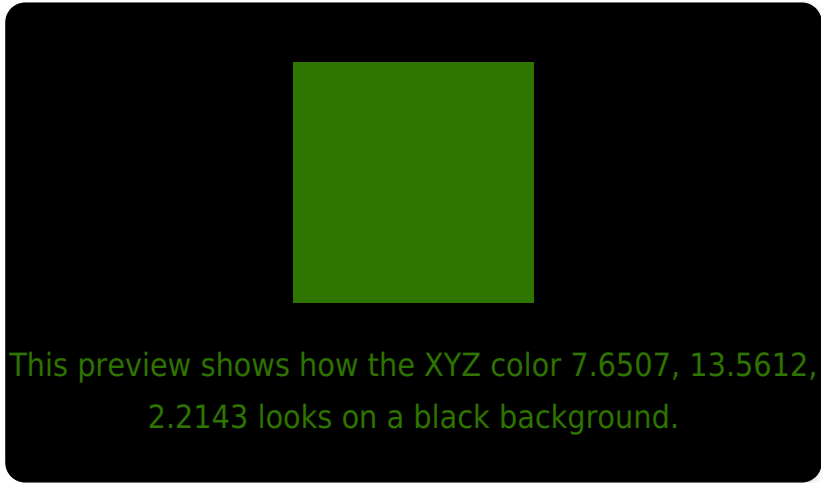
Large Text (above 18pt) WCAG AA ✓ Pass

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 7.6507, 13.5612, 2.2143

Background



This preview shows how black text looks on a background with the XYZ color 7.6507, 13.5612, 2.2143.



This preview shows how white text looks on a background with the XYZ color 7.6507, 13.5612, 2.2143.

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

7.6507, 13.5612, 2.2143

Protanopia

12.0527, 13.4135, 1.9538

Deuteranopia

13.5034, 13.2867, 2.7726



Tritanopia

11.1525, 13.6420, 19.4981

Trichromacy



Original Color

7.6507, 13.5612, 2.2143

Protanomaly

9.6769, 12.9493, 1.9894

Deuteranomaly

10.2907, 12.7932, 2.4172

Tritanomaly

9.0133, 13.2619, 8.9222

Monochromacy



Original Color

7.6507, 13.5612, 2.2143

Achromatopsia

8.2219, 8.6500, 9.4199

Achromatomaly

7.3513, 9.9249, 4.8964

CSS Examples

Text

The CSS property to change the color of the text to XYZ 7.6507, 13.5612, 2.2143 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(47, 118, 0)` looks like.

```
.text, #text, p{  
    color:rgb(47, 118, 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(47, 118, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(47, 118, 0) }
```

Border

The CSS property to change the border of an element to XYZ 7.6507, 13.5612, 2.2143 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(47, 118, 0) }
```


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

```
.border{ border-color:rgb(47, 118, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(47, 118, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(47, 118, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(47, 118, 0);  
box-shadow:4px 4px 4px 4px rgb(47, 118, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 7.6507, 13.5612, 2.2143 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(47, 118, 0) }
```

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

```
.background{ background-color: rgb(47, 118,  
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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