

Converting Colors

XYZ(7.6737, 13.5304, 4.1996)

Have a look what the booklet for
XYZ(7.6737, 13.5304, 4.1996)
contains.

XYZ(7.6608, 13.5221, 4.2138)	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(7.6608, 13.5221,
4.2138)**

Conversions

Conversions Part 1

Format	Color
Hex	267628
RGB	38, 118, 40
RGB Percent	15%, 46%, 16%
CMY	0.8510, 0.5372, 0.8431
CMYK	0.68, 0.00, 0.66, 0.54
HSL	122°, 51%, 31%
HSV	122°, 68%, 46%
XYZ	7.6608, 13.5221, 4.2138
YIQ	85.1880, -22.6420, -41.2180

Conversions

Conversions Part 2

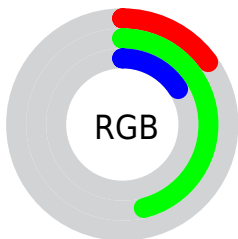
Format	Color
R_{YB}	38, 116, 118
Decimal	2520616
CIE _{Lab}	43.54, -40.66, 35.00
CIE _{LCh}	44, 53.649, 139.271
Yxy	13.5221, 0.3016, 0.5324
Android (android.graphics.Color)	4280710696 (0xFF267628)
YUV	85.1880, -22.2777, -41.3839
Hunter-Lab	36.7724, -27.1648, 18.9466

Details

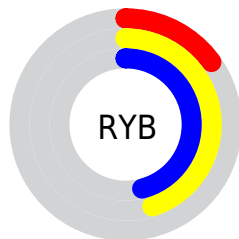
The XYZ color **7.6608, 13.5221, 4.2138** is a dark color, and the websafe version is hex **006600**. A complement of this color would be **11.3171, 6.4990, 17.1813**, and the grayscale version is **8.7231, 9.1774, 9.9942**.

A 20% lighter version of the original color is **20.9822, 32.2268, 14.5657**, and **2.0671, 4.1342, 0.6890** is the 20% darker color. If you saturate the color by 10%, you get **7.1255, 13.2659, 3.3151**, and if you desaturate by 10%, it is **8.3931, 13.8740, 5.4266**.

Distribution



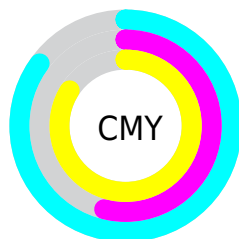
- Red (15%)
- Green (46%)
- Blue (16%)



- Red (15%)
- Yellow (45%)
- Blue (46%)



- Cyan (68%)
- Magenta (0%)
- Yellow (66%)
- Black (54%)



- Cyan (85%)
- Magenta (54%)
- Yellow (84%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 7.6608, 13.5221, 4.2138 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 7.6608, 13.5221, 4.2138 by changing the saturation by 10% instead.

■ 7.6608, 13.5221,
4.2138

■ 7.6608, 13.5221,
4.2138

167.4747,
214.2372, 150.5729

■ 3.9286, 7.7890,
1.7434

■ 20.9826, 32.2386,
14.4999

■ 1.6618, 3.9603,
0.3902

■ 31.3029, 45.9909,
23.1527

■ 0.4322, 1.6514,
0.0000

■ 44.5500, 63.1850,
34.7033

■ 0.0000, 0.3919,
0.0000

■ 61.0893, 84.2054,
49.5703

■ 0.0000, 0.0000,
0.0000

■ 81.2860, 109.4364,
68.1722

■ 105.5056,

139.2624, 90.9276

134.1133,
174.0679, 118.2550

■ 7.6608, 13.5221,
4.2138

■ 7.6608, 13.5221,
4.2138

■ 7.1255, 13.2659,
3.3151

■ 8.3931, 13.8740,
5.4266

■ 6.7672, 13.0944,
2.7008

■ 9.3380, 14.3277,
6.9779

■ 6.5413, 12.9861,
2.3194

■ 10.5105, 14.8910,
8.8908

■ 6.4948, 12.9638,
2.2447

■ 11.9241, 15.5704,
11.1859

■ 13.5911, 16.3718,
13.8826

■ 15.5233, 17.3009,
16.9986

■ 17.7313, 18.3629,
20.5509

■ 20.2255, 19.5626,
24.5553

■ 23.0155, 20.9048,
29.0269

Harmonies

Analogous

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



10.3715, 13.5221, 1.9151



7.6608, 13.5221, 4.2138



6.4483, 13.5221, 10.8306

Triad

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



7.6608, 13.5221, 4.2138



11.4095, 13.5221, 51.0426



22.0610, 13.5221, 8.3432

Complementary

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



7.6608, 13.5221, 4.2138



11.3171, 6.4990, 17.1813

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.



22.5096, 13.5221, 19.4521



7.6608, 13.5221, 4.2138



15.7003, 13.5221, 49.0310

Square

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



7.6608, 13.5221, 4.2138



8.2780, 13.5221, 40.0589



19.9791, 13.5221, 35.5045



18.8614, 13.5221, 3.2436

Rectangle

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



7.6608, 13.5221, 4.2138



6.4258, 13.5221, 18.7643



19.9791, 13.5221, 35.5045



22.5613, 13.5221, 11.3086

Sweetspot

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



7.6611, 13.5227, 4.2141



23.0595, 28.3835, 23.0564



14.1202, 16.8563, 4.3433



5.1512, 6.4534, 5.0575



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.



7.6611, 13.5227, 4.2141



12.1629, 23.1499, 5.2060



8.7016, 13.9389, 9.6931



3.6440, 4.0996, 3.9592



7.0255, 14.0242, 2.4246



34.1888, 68.3228, 11.5652

Inverse Universe

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



11.3171, 6.4990, 17.1813



19.0749, 9.8533, 29.7086



9.4925, 5.7692, 7.5733



3.8229, 3.7564, 4.5940



11.4329, 5.5069, 18.0199



55.6644, 26.8159, 87.5512

Previews

White Background



This preview shows how the XYZ color 7.6608, 13.5221, 4.2138 looks on a white background.

Color Contrast Check

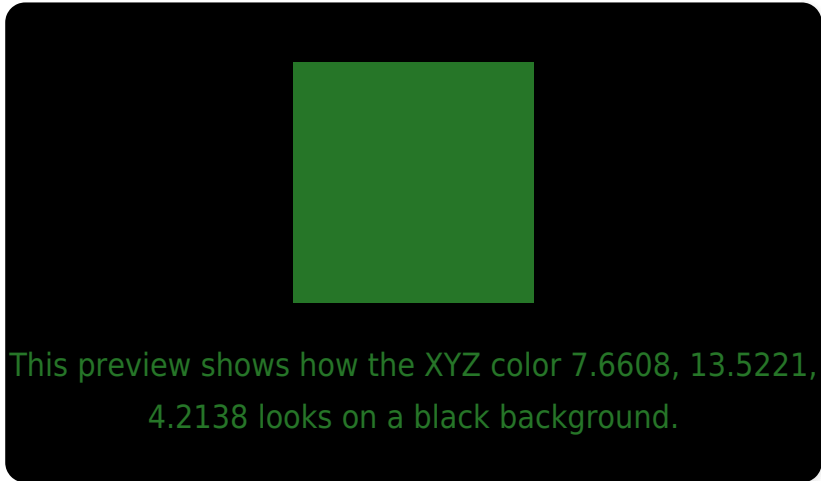
Large Text (above 18pt) WCAG AA ✓ Pass

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 7.6608, 13.5221, 4.2138

Background



This preview shows how black text looks on a background with the XYZ color 7.6608, 13.5221, 4.2138.



This preview shows how white text looks on a background with the XYZ color 7.6608, 13.5221,

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

7.6608, 13.5221, 4.2138

Protanopia

12.1081, 13.4053, 3.6184

Deuteranopia

13.5402, 13.2667, 4.5364



Tritanopia

10.7093, 13.4136, 19.4774

Trichromacy



Original Color

7.6608, 13.5221, 4.2138

Protanomaly

9.5342, 12.8371, 3.7256

Deuteranomaly

10.2255, 12.7179, 4.2987

Tritanomaly

9.1158, 13.2522, 11.7503

Monochromacy



Original Color

7.6608, 13.5221, 4.2138

Achromatopsia

8.6345, 9.0842, 9.8927

Achromatomaly

7.7328, 10.2080, 7.1930

CSS Examples

Text

The CSS property to change the color of the text to XYZ 7.6608, 13.5221, 4.2138 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(38, 118, 40)` looks like.

```
.text, #text, p{  
    color:rgb(38, 118, 40)  
}
```

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(38, 118, 40) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(38, 118, 40) }
```

Border

The CSS property to change the border of an element to XYZ 7.6608, 13.5221, 4.2138 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(38, 118, 40) }
```


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

```
.border{ border-color:rgb(38, 118, 40) }
```

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

Here you see how a box with a 4 pixel `rgb(38, 118, 40)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(38, 118, 40); -webkit-box-  
shadow:4px 4px 4px 4px rgb(38, 118, 40);  
box-shadow:4px 4px 4px 4px rgb(38, 118,  
40) }
```

Background

The CSS property to change the background color of an element to XYZ 7.6608, 13.5221, 4.2138 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(38, 118, 40) }
```

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

```
.background{ background-color: rgb(38, 118,  
40) }
```

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