

Converting Colors

XYZ(7.7098, 13.1578, 5.4008)

Have a look what the booklet for
XYZ(7.7098, 13.1578, 5.4008)
contains.

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Color

**XYZ(7.7019, 13.1701,
5.3850)**

Conversions

Conversions Part 1

Format	Color
Hex	277434
RGB	39, 116, 52
RGB Percent	15%, 45%, 20%
CMY	0.8471, 0.5451, 0.7961
CMYK	0.66, 0.00, 0.55, 0.55
HSL	130°, 50%, 30%
HSV	130°, 66%, 45%
XYZ	7.7019, 13.1701, 5.3850
YIQ	85.6810, -25.3480, -36.2280

Conversions

Conversions Part 2

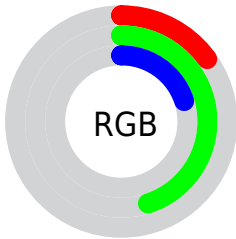
Format	Color
RYB	39, 105, 116
Decimal	2585652
CIELab	43.02, -38.02, 28.34
CIElCh	43, 47.425, 143.299
Yxy	13.1701, 0.2933, 0.5016
Android (android.graphics.Color)	4280775732 (0xFF277434)
YUV	85.6810, -16.6047, -40.9392
Hunter-Lab	36.2906, -25.6259, 16.6057

Details

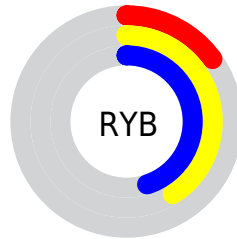
The XYZ color **7.7019, 13.1701, 5.3850** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **10.3764, 6.1434, 13.4707**, and the grayscale version is **8.8159, 9.2750, 10.1004**.

A 20% lighter version of the original color is **21.1043, 31.6757, 17.0583**, and **2.0345, 4.0253, 0.8133** is the 20% darker color. If you saturate the color by 10%, you get **7.1327, 12.8996, 4.3384**, and if you desaturate by 10%, it is **8.4506, 13.5287, 6.6722**.

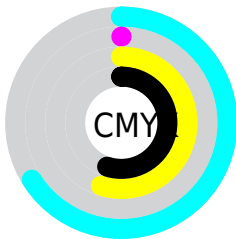
Distribution



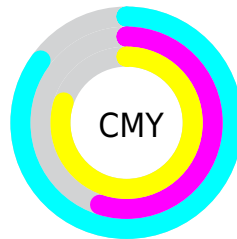
- Red (15%)
- Green (45%)
- Blue (20%)



- Red (15%)
- Yellow (41%)
- Blue (45%)



- Cyan (66%)
- Magenta (0%)
- Yellow (55%)
- Black (55%)



- Cyan (85%)
- Magenta (55%)
- Yellow (80%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 7.7019, 13.1701, 5.3850 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 7.7019, 13.1701, 5.3850 by changing the saturation by 10% instead.

■ 7.7019, 13.1701,
5.3850

■ 7.7019, 13.1701,
5.3850

167.7956,
212.0050, 162.5603

■ 3.9550, 7.5458,
2.4122

■ 21.0630, 31.6090,
17.0955

■ 1.6767, 3.8057,
0.7931

■ 31.4079, 45.1924,
26.6702

■ 0.4416, 1.5655,
0.0000

■ 44.6828, 62.1977,
39.2827

■ 0.0000, 0.3342,
0.0000

■ 61.2532, 83.0091,
55.3515

■ 0.0000, 0.0000,
0.0000

■ 81.4843, 108.0112,
75.2951

■ 105.7415,

137.5882, 99.5321

134.3901,
172.1247, 128.4810

■ 7.7019, 13.1701,
5.3850

■ 7.7019, 13.1701,
5.3850

■ 7.1327, 12.8996,
4.3384

■ 8.4506, 13.5287,
6.6722

■ 6.7265, 12.7080,
3.5167

■ 9.3913, 13.9806,
8.2128

■ 6.4537, 12.5806,
2.9029

■ 10.5368, 14.5323,
10.0197

■ 6.3683, 12.5404,
2.7277

■ 11.8981, 15.1893,
12.1047

■ 13.4858, 15.9569,
14.4789

■ 15.3096, 16.8398,
17.1527

■ 17.3787, 17.8426,
20.1360

■ 19.7016, 18.9694,
23.4383

■ 22.2867, 20.2244,
27.0688

Harmonies

Analogous

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



9.9479, 13.1701, 2.6829



7.7019, 13.1701, 5.3850



6.7726, 13.1701, 12.1252

Triad

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



7.7019, 13.1701, 5.3850



11.7185, 13.1701, 44.8927



20.1116, 13.1701, 7.7817

Complementary

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



7.7019, 13.1701, 5.3850



10.3764, 6.1434, 13.4707

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.



20.8377, 13.1701, 16.8093



7.7019, 13.1701, 5.3850



15.4960, 13.1701, 41.7626

Square

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



7.7019, 13.1701, 5.3850



8.7826, 13.1701, 37.1705



19.0116, 13.1701, 29.9704



17.1853, 13.1701, 3.5233

Rectangle

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



7.7019, 13.1701, 5.3850



6.8659, 13.1701, 19.4642



19.0116, 13.1701, 29.9704



20.6418, 13.1701, 10.2047

Sweetspot

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



7.7022, 13.1706, 5.3853



22.5040, 27.4674, 23.6658



12.2248, 15.5314, 4.2729



5.2209, 6.4813, 5.4248



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.



7.7022, 13.1706, 5.3853



12.1011, 22.4679, 6.7637



8.9421, 13.6666, 11.9143



3.6635, 4.1074, 4.0621



7.1411, 14.0704, 3.0330



34.5760, 68.4777, 13.6044

Inverse Universe

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



10.3764, 6.1434, 13.4707



17.1649, 9.0750, 22.0102



8.8728, 5.5419, 5.5526



3.8014, 3.7478, 4.4808



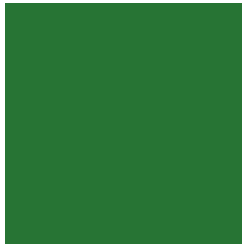
10.4677, 5.1208, 12.9372



50.7368, 24.8449, 61.6028

Previews

White Background



This preview shows how the XYZ color 7.7019, 13.1701, 5.3850 looks on a white background.

Color Contrast Check

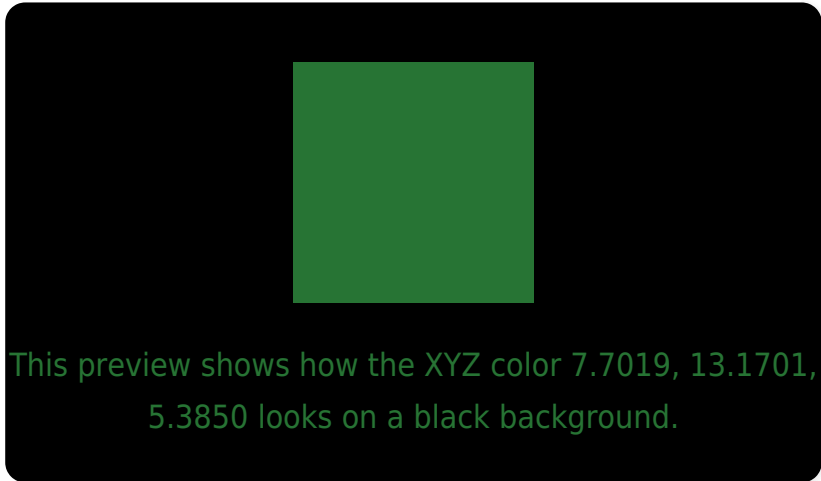
Large Text (above 18pt) WCAG AA ✓ Pass

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

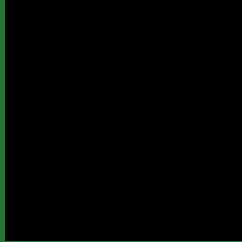
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 7.7019, 13.1701, 5.3850

Background



This preview shows how black text looks on a background with the XYZ color 7.7019, 13.1701, 5.3850.



This preview shows how white text looks on a background with the XYZ color 7.7019, 13.1701,

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

7.7019, 13.1701, 5.3850

Protanopia

11.8489, 12.9573, 4.5658

Deuteranopia

13.0898, 12.8721, 5.6656



Tritanopia

10.4836, 13.1448, 19.1242

Trichromacy



Original Color

7.7019, 13.1701, 5.3850

Protanomaly

9.4547, 12.4611, 4.8126

Deuteranomaly

9.9535, 12.2516, 5.4546

Tritanomaly

9.1798, 13.1003, 12.6345

Monochromacy



Original Color

7.7019, 13.1701, 5.3850

Achromatopsia

8.8453, 9.3059, 10.1341

Achromatomaly

7.9650, 10.3090, 8.0486

CSS Examples

Text

The CSS property to change the color of the text to XYZ 7.7019, 13.1701, 5.3850 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(39, 116, 52)` looks like.

```
.text, #text, p{  
    color:rgb(39, 116, 52)  
}
```

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(39, 116, 52) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(39, 116, 52) }
```

Border

The CSS property to change the border of an element to XYZ 7.7019, 13.1701, 5.3850 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(39, 116, 52) }
```


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

```
.border{ border-color:rgb(39, 116, 52) }
```

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

Here you see how a box with a 4 pixel `rgb(39, 116, 52)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(39, 116, 52); -webkit-box-  
shadow:4px 4px 4px 4px rgb(39, 116, 52);  
box-shadow:4px 4px 4px 4px rgb(39, 116,  
52) }
```

Background

The CSS property to change the background color of an element to XYZ 7.7019, 13.1701, 5.3850 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(39, 116, 52) }
```

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

```
.background{ background-color: rgb(39, 116,  
52) }
```

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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