

Converting Colors

XYZ(13.6821, 15.7687, 2.6399)

Have a look what the booklet for
XYZ(13.6821, 15.7687, 2.6399)
contains.

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Color

**XYZ(13.7113, 15.8275,
2.6490)**

Conversions

Conversions Part 1

Format	Color
Hex	78710B
RGB	120, 113, 11
RGB Percent	47%, 44%, 4%
CMY	0.5294, 0.5568, 0.9568
CMYK	0.00, 0.06, 0.91, 0.53
HSL	56°, 83%, 26%
HSV	56°, 91%, 47%
XYZ	13.7113, 15.8275, 2.6490
YIQ	103.4650, 36.9140, -30.2380

Conversions

Conversions Part 2

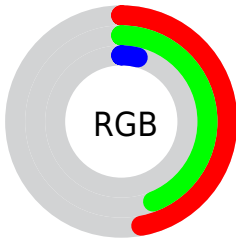
Format	Color
R_{YB}	18, 120, 11
Decimal	7893259
CIE Lab	46.75, -8.23, 50.23
CIE LCh	47, 50.903, 99.307
Yxy	15.8275, 0.4260, 0.4917
Android (android.graphics.Color)	4286083339 (0xFF78710B)
YUV	103.4650, -45.5852, 14.5012
Hunter-Lab	39.7838, -8.1024, 23.9008

Details

The XYZ color **13.7113, 15.8275, 2.6490** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **3.7446, 1.8600, 17.9309**, and the grayscale version is **13.1266, 13.8102, 15.0393**.

A 20% lighter version of the original color is **31.9980, 36.0822, 10.7469**, and **4.3321, 5.1254, 0.7610** is the 20% darker color. If you saturate the color by 10%, you get **13.5727, 15.6470, 2.3048**, and if you desaturate by 10%, it is **13.8923, 16.0386, 3.1746**.

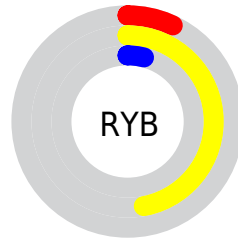
Distribution



Red (47%)

Green (44%)

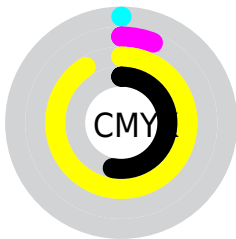
Blue (4%)



Red (7%)

Yellow (47%)

Blue (4%)

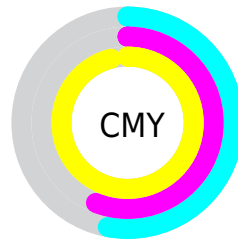


Cyan (0%)

Magenta (6%)

Yellow (91%)

Black (53%)



Cyan (53%)

Magenta (56%)

Yellow (96%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.7113, 15.8275, 2.6490 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 13.7113, 15.8275, 2.6490 by changing the saturation by 10% instead.

■ 13.7113, 15.8275,
2.6490

■ 13.7113, 15.8275,
2.6490

208.9741,
228.3217, 131.7563

■ 8.0005, 9.4022,
0.9176

■ 32.1665, 36.2985,
10.7493

■ 4.1471, 5.0044,
0.0000

■ 45.6415, 51.1129,
17.9560

■ 1.7857, 2.2499,
0.0000

■ 62.4354, 69.4925,
27.8252

■ 0.5090, 0.7470,
0.0000


■ 82.9134, 91.8217,
40.7753


■ 0.0000, 0.0000,
0.0000


■ 107.4409,
118.4848, 57.2249


■ 136.3833,


149.8662, 77.5926


 170.1059,
186.3504, 102.2969


 13.7113, 15.8275,
2.6490


 13.7113, 15.8275,
2.6490


 13.5727, 15.6470,
2.3048

 13.8923, 16.0386,
3.1746

 14.1281, 16.2722,
3.9869

 14.4256, 16.5316,
5.1208

 14.7905, 16.8192,
6.6056

 15.2277, 17.1369,
8.4677

■ 15.7417, 17.4865,
10.7307

■ 16.3367, 17.8696,
13.4164

■ 17.0165, 18.2879,
16.5451

■ 17.7847, 18.7427,
20.1355

Harmonies

Analogous

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



18.2490, 15.8275, 3.0238



13.7113, 15.8275, 2.6490



10.2789, 15.8275, 4.4320

Triad

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



13.7113, 15.8275, 2.6490



9.3819, 15.8275, 37.6926



24.4706, 15.8275, 27.3377

Complementary

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



13.7113, 15.8275, 2.6490



3.7446, 1.8600, 17.9309

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.



21.0912, 15.8275, 43.7403



13.7113, 15.8275, 2.6490



12.2373, 15.8275, 51.4762

Square

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



13.7113, 15.8275, 2.6490



8.1219, 15.8275, 21.4744



16.4594, 15.8275, 54.1107



25.0788, 15.8275, 13.5912

Rectangle

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



13.7113, 15.8275, 2.6490



8.8579, 15.8275, 7.5600



16.4594, 15.8275, 54.1107



23.5934, 15.8275, 32.8713

Sweetspot

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



13.7117, 15.8282, 2.6493



28.0025, 30.9625, 20.2865



7.9769, 4.2772, 0.9892



6.5725, 7.2960, 4.5217



59.0181, 62.0916, 67.6177



7.4413, 7.8288, 8.5256

Same Dimension

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



13.7117, 15.8282, 2.6493



23.8353, 27.4470, 4.0415



9.5071, 14.8646, 2.6849



4.2868, 4.5920, 4.2849



14.8032, 17.0623, 2.5131



70.3740, 80.9115, 11.9084

Inverse Universe

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



3.7446, 1.8600, 17.9309



6.0711, 2.6018, 31.4353



5.2687, 2.5023, 17.9745



3.8164, 3.9311, 5.0008



3.7855, 1.6535, 19.5049



17.8305, 7.4335, 92.9648

Previews

White Background



This preview shows how the XYZ color 13.7113, 15.8275, 2.6490 looks on a white background.

Color Contrast Check

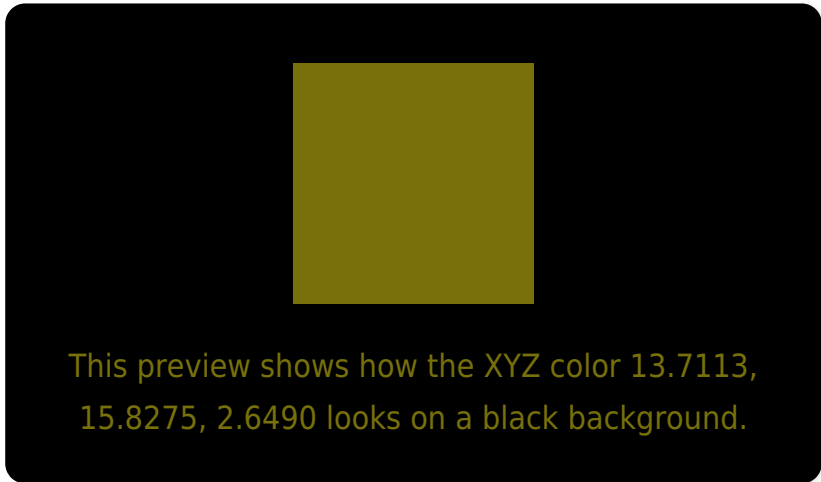
Large Text (above 18pt) WCAG AA ✓ Pass

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

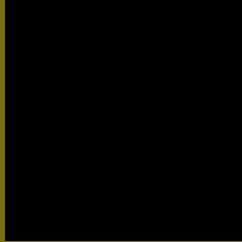
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 13.7113, 15.8275, 2.6490

Background



This preview shows how black text looks on a background with the XYZ color 13.7113, 15.8275, 2.6490.



This preview shows how white text looks on a background with the XYZ color 13.7113, 15.8275,

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

13.7113, 15.8275, 2.6490

Protanopia

14.1967, 15.7508, 2.5791

Deuteranopia

15.9843, 15.7256, 2.8090



Tritanopia

16.7846, 15.8074, 17.7893

Trichromacy



Original Color

13.7113, 15.8275, 2.6490

Protanomaly

14.0173, 15.8212, 2.6022

Deuteranomaly

15.1290, 15.7491, 2.7327

Tritanomaly

14.9792, 15.5320, 9.0460

Monochromacy



Original Color

13.7113, 15.8275, 2.6490

Achromatopsia

12.8919, 13.5633, 14.7705

Achromatomaly

12.6699, 14.2088, 7.8691

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.7113, 15.8275, 2.6490 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(120, 113, 11)` looks like.

```
.text, #text, p{  
    color:rgb(120, 113, 11)  
}
```

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(120, 113, 11) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 113, 11) }
```

Border

The CSS property to change the border of an element to XYZ 13.7113, 15.8275, 2.6490 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(120, 113, 11) }
```


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

```
.border{ border-color:rgb(120, 113, 11) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 113, 11)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 113, 11); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 113, 11);  
box-shadow:4px 4px 4px 4px rgb(120, 113,  
11) }
```

Background

The CSS property to change the background color of an element to XYZ 13.7113, 15.8275, 2.6490 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 113, 11) }
```

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

```
.background{ background-color: rgb(120,  
113, 11) }
```

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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