

Converting Colors

XYZ(13.7115, 15.6382, 12.1646)

Have a look what the booklet for
XYZ(13.7115, 15.6382, 12.1646)
contains.

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Color

**XYZ(13.7373, 15.6298,
12.1903)**

Conversions

Conversions Part 1

Format	Color
Hex	6A715B
RGB	106, 113, 91
RGB Percent	42%, 44%, 36%
CMY	0.5843, 0.5569, 0.6431
CMYK	0.06, 0.00, 0.19, 0.56
HSL	79°, 11%, 40%
HSV	79°, 19%, 44%
XYZ	13.7373, 15.6298, 12.1903
YIQ	108.3990, 2.8900, -8.3260

Conversions

Conversions Part 2

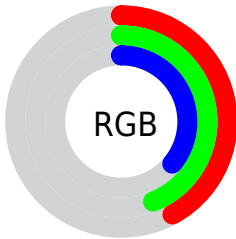
Format	Color
R_{YB}	91, 113, 98
Decimal	6975835
CIE _{Lab}	46.49, -6.94, 11.34
CIE _{LCh}	46, 13.292, 121.452
Yxy	15.6298, 0.3306, 0.3761
Android (android.graphics.Color)	4285165915 (0xFF6A715B)
YUV	108.3990, -8.5777, -2.1039
Hunter-Lab	39.5345, -7.1610, 9.3924

Details

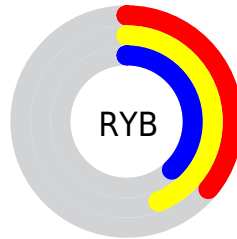
The XYZ color **13.7373, 15.6298, 12.1903** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **11.7594, 11.2715, 17.1796**, and the grayscale version is **14.3892, 15.1385, 16.4859**.

A 20% lighter version of the original color is **32.1675, 36.0015, 30.4529**, and **4.1676, 4.8999, 3.2087** is the 20% darker color. If you saturate the color by 10%, you get **12.8677, 15.2341, 9.7938**, and if you desaturate by 10%, it is **14.6991, 16.0654, 14.9750**.

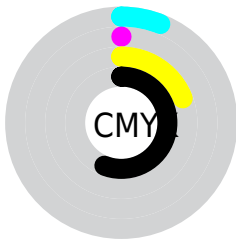
Distribution



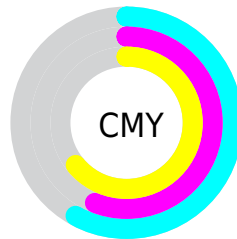
- Red (42%)
- Green (44%)
- Blue (36%)



- Red (36%)
- Yellow (44%)
- Blue (38%)



- Cyan (6%)
- Magenta (0%)
- Yellow (19%)
- Black (56%)



- Cyan (58%)
- Magenta (56%)
- Yellow (64%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.7373, 15.6298, 12.1903 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 13.7373, 15.6298, 12.1903 by changing the saturation by 10% instead.

■ 13.7373, 15.6298,
12.1903

■ 13.7373, 15.6298,
12.1903

209.1339,
227.1472, 216.6835

■ 8.0187, 9.2626,
6.7493

■ 32.2123, 35.9543,
30.5108

■ 4.1588, 4.9128,
3.2298

■ 45.6995, 50.6804,
44.2274

■ 1.7924, 2.1962,
1.2131

■ 62.5068, 68.9615,
61.5396

■ 0.5131, 0.7179,
0.0000

■ 82.9997, 91.1822,
82.8659

■ 0.0000, 0.0000,
0.0000

107.5435,
117.7266, 108.6249

136.5035,

148.9794, 139.2352

170.2452,
185.3248, 175.1152

■ 13.7373, 15.6298,
12.1903

■ 13.7373, 15.6298,
12.1903

■ 12.8677, 15.2341,
9.7938

■ 14.6991, 16.0654,
14.9750

■ 12.0856, 14.8750,
7.7673

■ 15.7551, 16.5404,
18.1631

■ 11.3876, 14.5515,
6.0925

■ 16.9088, 17.0565,
21.7702

■ 10.7698, 14.2621,
4.7493

■ 18.1633, 17.6151,
25.8107

■ 10.2275, 14.0049,
3.7156

■ 19.5213, 18.2172,
30.2983

■ 9.7560, 13.7779,
2.9663

■ 20.9855, 18.8640,
35.2463

■ 9.3494, 13.5788,
2.4728

■ 22.5585, 19.5566,
40.6672

■ 8.9876, 13.3995,
2.1298

■ 24.2428, 20.2959,
46.5731

■ 8.9689, 13.3902,
2.1119

■ 26.0408, 21.0829,
52.9758

Harmonies

Analogous

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



14.8000, 15.6298, 11.4658



13.7373, 15.6298, 12.1903



13.0061, 15.6298, 14.1819

Triad

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



13.7373, 15.6298, 12.1903



13.8291, 15.6298, 23.1728



17.1647, 15.6298, 16.8591

Complementary

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



13.7373, 15.6298, 12.1903



11.7594, 11.2715, 17.1796

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.



16.8727, 15.6298, 20.2095



13.7373, 15.6298, 12.1903



14.9115, 15.6298, 24.1239

Square

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



13.7373, 15.6298, 12.1903



13.0572, 15.6298, 20.5211



16.0331, 15.6298, 22.9773



16.8121, 15.6298, 13.9385

Rectangle

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



13.7373, 15.6298, 12.1903



12.7850, 15.6298, 16.0990



16.0331, 15.6298, 22.9773



17.1386, 15.6298, 17.9717

Sweetspot

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



13.7377, 15.6305, 12.1906



26.9267, 29.0399, 28.6221



13.0635, 12.9957, 11.7176



6.2077, 6.7071, 6.5609



55.7959, 58.7016, 63.9261



6.5000, 6.8385, 7.4471

Same Dimension

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



13.7377, 15.6305, 12.1906



23.9333, 27.6852, 19.9671



12.5167, 15.0011, 12.1335



3.5436, 3.8656, 3.6327



10.1524, 15.1775, 2.3945



49.6491, 75.1291, 11.8846

Inverse Universe

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



11.7594, 11.2715, 17.1796



19.7567, 18.4814, 30.5015



13.0249, 11.9239, 17.2388



3.3083, 3.3472, 4.2259



4.1858, 1.7673, 17.8421



20.0444, 8.3877, 88.8417

Previews

White Background



This preview shows how the XYZ color 13.7373, 15.6298, 12.1903 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



This preview shows how the XYZ color 13.7373, 15.6298, 12.1903 looks on a 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 13.7373, 15.6298, 12.1903

Background



This preview shows how black text looks on a background with the XYZ color 13.7373, 15.6298, 12.1903.



This preview shows how white text looks on a background with the XYZ color 13.7373, 15.6298,

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

13.7373, 15.6298, 12.1903

Protanopia

14.7152, 15.6550, 11.6973

Deuteranopia

15.8382, 15.5928, 12.3002



Tritanopia

15.1691, 15.5603, 19.3435

Trichromacy



Original Color

13.7373, 15.6298, 12.1903

Protanomaly

14.3400, 15.6178, 11.9316

Deuteranomaly

15.0082, 15.6319, 12.3515

Tritanomaly

14.5894, 15.4858, 16.4075

Monochromacy



Original Color

13.7373, 15.6298, 12.1903

Achromatopsia

14.2537, 14.9960, 16.3306

Achromatomaly

14.0376, 15.2370, 14.7715

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.7373, 15.6298, 12.1903 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(106, 113, 91)` looks like.

```
.text, #text, p{  
    color:rgb(106, 113, 91)  
}
```

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(106, 113, 91) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 113, 91) }
```

Border

The CSS property to change the border of an element to XYZ 13.7373, 15.6298, 12.1903 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(106, 113, 91) }
```


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

```
.border{ border-color:rgb(106, 113, 91) }
```

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

Here you see how a box with a 4 pixel `rgb(106, 113, 91)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(106, 113, 91); -webkit-box-  
shadow:4px 4px 4px 4px rgb(106, 113, 91);  
box-shadow:4px 4px 4px 4px rgb(106, 113,  
91) }
```

Background

The CSS property to change the background color of an element to XYZ 13.7373, 15.6298, 12.1903 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 113, 91) }
```

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

```
.background{ background-color: rgb(106,  
113, 91) }
```

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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