

Converting Colors

XYZ(13.6381, 12.4060, 15.4938)

Have a look what the booklet for
XYZ(13.6381, 12.4060, 15.4938)
contains.

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Color

**XYZ(13.6834, 12.4288,
15.5877)**

Conversions

Conversions Part 1

Format	Color
Hex	745C6B
RGB	116, 92, 107
RGB Percent	45%, 36%, 42%
CMY	0.5451, 0.6392, 0.5804
CMYK	0.00, 0.21, 0.08, 0.55
HSL	323°, 12%, 41%
HSV	323°, 21%, 45%
XYZ	13.6834, 12.4288, 15.5877
YIQ	100.8860, 9.4890, 9.7530

Conversions

Conversions Part 2

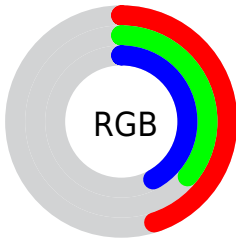
Format	Color
R_{YB}	116, 92, 107
Decimal	7625835
CIE Lab	41.89, 12.53, -4.82
CIE LCh	42, 13.422, 338.974
Yxy	12.4288, 0.3281, 0.2981
Android (android.graphics.Color)	4285815915 (0xFF745C6B)
YUV	100.8860, 3.0142, 13.2550
Hunter-Lab	35.2545, 7.5862, -1.5368

Details

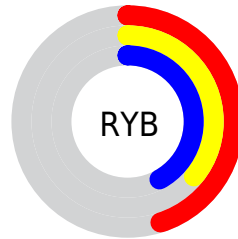
The XYZ color **13.6834, 12.4288, 15.5877** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **13.0084, 15.7059, 14.6585**, and the grayscale version is **12.3313, 12.9734, 14.1281**.

A 20% lighter version of the original color is **31.9930, 30.1395, 36.4790**, and **4.1765, 3.5092, 4.7322** is the 20% darker color. If you saturate the color by 10%, you get **12.5314, 10.4818, 14.1028**, and if you desaturate by 10%, it is **15.0015, 14.6893, 17.1851**.

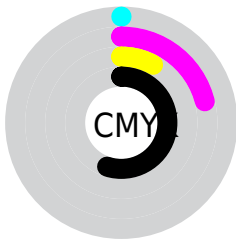
Distribution



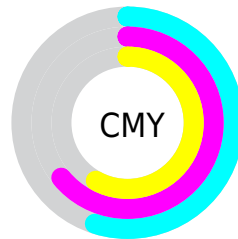
- Red (45%)
- Green (36%)
- Blue (42%)



- Red (45%)
- Yellow (36%)
- Blue (42%)



- Cyan (0%)
- Magenta (21%)
- Yellow (8%)
- Black (55%)



- Cyan (55%)
- Magenta (64%)
- Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.6834, 12.4288, 15.5877 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 13.6834, 12.4288, 15.5877 by changing the saturation by 10% instead.

■ 13.6834, 12.4288,
15.5877

■ 13.6834, 12.4288,
15.5877

208.8025,
207.2238, 238.6584

■ 7.9810, 7.0364,
9.0817

■ 32.1172, 30.2737,
36.6377

■ 4.1345, 3.4849,
4.6970

■ 45.5793, 43.4950,
52.0188

■ 1.7785, 1.3898,
2.0150

■ 62.3587, 60.0948,
71.1953

■ 0.5047, 0.2092,
0.5645

■ 82.8208, 80.4573,
94.5858

■ 0.0000, 0.0000,
0.0000

107.3308,
104.9671, 122.6088

136.2542,

134.0085, 155.6829

169.9563,
167.9659, 194.2266

■ 13.6834, 12.4288,
15.5877

■ 13.6834, 12.4288,
15.5877

■ 12.5314, 10.4818,
14.1028

■ 15.0015, 14.6893,
17.1851

■ 11.5373, 8.8326,
12.7264

■ 16.4914, 17.2748,
18.8972

■ 10.6938, 7.4666,
11.4554

■ 18.1597, 20.1982,
20.7273

■ 9.9925, 6.3675,
10.2860

■ 20.0125, 23.4712,
22.6780

■ 9.4242, 5.5171,
9.2144

■ 22.0553, 27.1051,
24.7520

■ 8.9786, 4.8949,
8.2362

■ 24.2937, 31.1103,
26.9520

■ 8.6436, 4.4773,
7.3465

■ 26.7330, 35.4973,
29.2803

■ 8.3885, 4.1874,
6.5823

■ 29.3780, 40.2757,
31.7394

■ 32.2338, 45.4551,
34.3317

Harmonies

Analogous

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



13.0532, 12.4288, 18.2364



13.6834, 12.4288, 15.5877



13.7980, 12.4288, 12.6990

Triad

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



13.6834, 12.4288, 15.5877



11.5183, 12.4288, 8.8248



10.3923, 12.4288, 17.2653

Complementary

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



13.6834, 12.4288, 15.5877



13.0084, 15.7059, 14.6585

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.



10.0285, 12.4288, 14.4024



13.6834, 12.4288, 15.5877



10.6543, 12.4288, 9.7167

Square

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



13.6834, 12.4288, 15.5877



12.5104, 12.4288, 9.0498



10.1217, 12.4288, 11.6670



11.1424, 12.4288, 19.2952

Rectangle

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



13.6834, 12.4288, 15.5877



13.5606, 12.4288, 11.0568



10.1217, 12.4288, 11.6670



10.2227, 12.4288, 16.3535

Sweetspot

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



13.6838, 12.4294, 15.5880



27.5196, 27.8102, 31.5478



12.3245, 11.6710, 18.1263



6.5355, 6.5831, 7.4920



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.



13.6838, 12.4294, 15.5880



23.0161, 20.0882, 26.0854



13.1047, 12.1977, 12.5385



3.7712, 3.7357, 4.3217



9.4046, 4.6956, 7.3390



45.4045, 22.7119, 33.5233

Inverse Universe

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



13.6838, 12.4294, 15.5880



23.0161, 20.0882, 26.0854



13.6288, 15.9541, 17.9251



3.7712, 3.7357, 4.3217



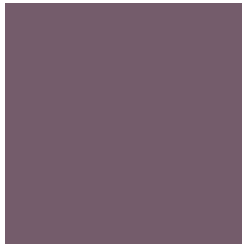
9.4046, 4.6956, 7.3390



45.4045, 22.7119, 33.5233

Previews

White Background



This preview shows how the XYZ color 13.6834, 12.4288, 15.5877 looks on a white background.

Color Contrast Check

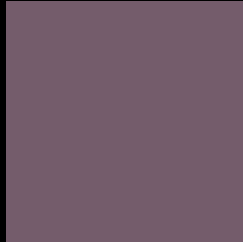
Large Text (above 18pt) WCAG AA ✓ Pass

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 13.6834, 12.4288, 15.5877 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 13.6834, 12.4288, 15.5877

Background



This preview shows how black text looks on a background with the XYZ color 13.6834, 12.4288, 15.5877.

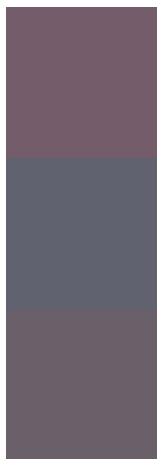


This preview shows how white text looks on a background with the XYZ color 13.6834, 12.4288,

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

13.6834, 12.4288, 15.5877

Protanopia

12.1667, 12.4244, 16.7958

Deuteranopia

12.6101, 12.4096, 15.3663



Tritanopia

13.2848, 12.3936, 13.7486

Trichromacy



Original Color

13.6834, 12.4288, 15.5877

Protanomaly

12.7063, 12.4346, 16.4823

Deuteranomaly

13.0004, 12.4762, 15.3586

Tritanomaly

13.4328, 12.4528, 14.5276

Monochromacy



Original Color

13.6834, 12.4288, 15.5877

Achromatopsia

12.3695, 13.0136, 14.1719

Achromatomaly

12.7597, 12.7788, 14.6260

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.6834, 12.4288, 15.5877 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(116, 92, 107)` looks like.

```
.text, #text, p{  
    color:rgb(116, 92, 107)  
}
```

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(116, 92, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 92, 107) }
```

Border

The CSS property to change the border of an element to XYZ 13.6834, 12.4288, 15.5877 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(116, 92, 107) }
```


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

```
.border{ border-color:rgb(116, 92, 107) }
```

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

Here you see how a box with a 4 pixel rgb(116, 92, 107) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 92, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 92, 107);  
box-shadow:4px 4px 4px 4px rgb(116, 92,  
107) }
```

Background

The CSS property to change the background color of an element to XYZ 13.6834, 12.4288, 15.5877 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 92, 107) }
```

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

```
.background{ background-color: rgb(116, 92,  
107) }
```

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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