

Converting Colors

XYZ(13.6412, 12.0434, 17.4373)

Have a look what the booklet for
XYZ(13.6412, 12.0434, 17.4373)
contains.

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Color

**XYZ(13.6799, 12.0045,
17.5157)**

Conversions

Conversions Part 1

Format	Color
Hex	735972
RGB	115, 89, 114
RGB Percent	45%, 35%, 45%
CMY	0.5490, 0.6510, 0.5529
CMYK	0.00, 0.23, 0.01, 0.55
HSL	302°, 13%, 40%
HSV	302°, 23%, 45%
XYZ	13.6799, 12.0045, 17.5157
YIQ	99.6240, 7.4710, 13.2870

Conversions

Conversions Part 2

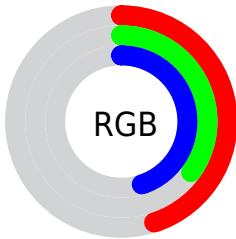
Format	Color
R_{YB}	115, 89, 114
Decimal	7559538
CIE _{Lab}	41.22, 15.38, -10.11
CIE _{LCh}	41, 18.405, 326.674
Yxy	12.0045, 0.3167, 0.2779
Android (android.graphics.Color)	4285749618 (0xFF735972)
YUV	99.6240, 7.0874, 13.4848
Hunter-Lab	34.6475, 9.8441, -5.7202

Details

The XYZ color **13.6799, 12.0045, 17.5157** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **12.0965, 15.1239, 11.9552**, and the grayscale version is **11.9990, 12.6239, 13.7474**.

A 20% lighter version of the original color is **32.0519, 29.4339, 40.0684**, and **4.1620, 3.3144, 5.5746** is the 20% darker color. If you saturate the color by 10%, you get **12.7717, 10.2281, 17.0891**, and if you desaturate by 10%, it is **14.7385, 14.0810, 17.9933**.

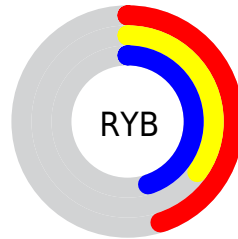
Distribution



Red (45%)

Green (35%)

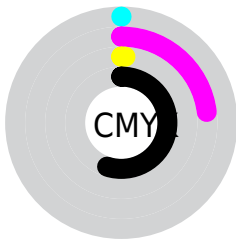
Blue (45%)



Red (45%)

Yellow (35%)

Blue (45%)

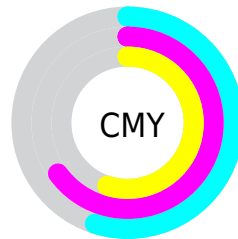


Cyan (0%)

Magenta (23%)

Yellow (1%)

Black (55%)



Cyan (55%)

Magenta (65%)

Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.6799, 12.0045, 17.5157 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 13.6799, 12.0045, 17.5157 by changing the saturation by 10% instead.

■ 13.6799, 12.0045,
17.5157

■ 13.6799, 12.0045,
17.5157

208.7810,
204.4351, 250.2707

■ 7.9786, 6.7467,
10.4370

■ 32.1110, 29.5033,
40.0131

■ 4.1329, 3.3042,
5.5803

■ 45.5715, 42.5131,
56.2688

■ 1.7776, 1.2925,
2.5270

■ 62.3491, 58.8758,
76.4207

■ 0.5041, 0.1354,
0.8544

■ 82.8091, 78.9756,
100.8873

■ 0.0000, 0.0000,
0.0000

■ 107.3170,
103.1971, 130.0870

136.2380,

131.9246, 164.4384

169.9376,
165.5424, 204.3602

■ 13.6799, 12.0045,
17.5157

■ 13.6799, 12.0045,
17.5157

■ 12.7717, 10.2281,
17.0891

■ 14.7385, 14.0810,
17.9933

■ 12.0059, 8.7365,
16.7105

■ 15.9528, 16.4691,
18.5232

■ 11.3753, 7.5151,
16.3775

■ 17.3293, 19.1813,
19.1079

■ 10.8718, 6.5478,
16.0875

■ 18.8738, 22.2293,
19.7491

■ 10.4864, 5.8165,
15.8374

■ 20.5918, 25.6241,
20.4487

10.2089, 5.3006,
15.6240

22.4885, 29.3760,
21.2085

10.0266, 4.9750,
15.4428

24.5688, 33.4952,
22.0302

9.9163, 4.7833,
15.3174

26.8377, 37.9912,
22.9153

29.2998, 42.8733,
23.8654

Harmonies

Analogous

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



12.5954, 12.0045, 20.7575



13.6799, 12.0045, 17.5157



14.1545, 12.0045, 13.4999

Triad

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



13.6799, 12.0045, 17.5157



11.5588, 12.0045, 7.0438



9.2764, 12.0045, 16.6373

Complementary

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



13.6799, 12.0045, 17.5157



12.0965, 15.1239, 11.9552

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.



9.0453, 12.0045, 12.6510



13.6799, 12.0045, 17.5157



10.3013, 12.0045, 7.5634

Square

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



13.6799, 12.0045, 17.5157



12.8715, 12.0045, 7.8620



9.4061, 12.0045, 9.4498



10.0634, 12.0045, 20.1851

Rectangle

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



13.6799, 12.0045, 17.5157



14.0358, 12.0045, 11.0824



9.4061, 12.0045, 9.4498



9.1339, 12.0045, 15.2840

Sweetspot

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



13.6803, 12.0050, 17.5160



27.5355, 27.4626, 32.7226



10.8709, 10.5501, 17.6834



6.5481, 6.5106, 7.7973



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.



13.6803, 12.0050, 17.5160



23.6339, 19.8080, 30.9642



12.9986, 11.7323, 13.9262



3.8208, 3.7556, 4.5833



11.3344, 5.4675, 17.5011



55.1590, 26.6137, 84.8894

Inverse Universe

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



13.6803, 12.0050, 17.5160



23.6339, 19.8080, 30.9642



12.6925, 15.3623, 15.0936



3.8208, 3.7556, 4.5833



11.3344, 5.4675, 17.5011



55.1590, 26.6137, 84.8894

Previews

White Background



This preview shows how the XYZ color 13.6799, 12.0045, 17.5157 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 13.6799, 12.0045, 17.5157 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

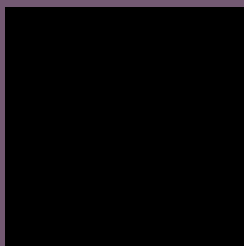
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 13.6799, 12.0045, 17.5157

Background



This preview shows how black text looks on a background with the XYZ color 13.6799, 12.0045, 17.5157.



This preview shows how white text looks on a background with the XYZ color 13.6799, 12.0045,

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

13.6799, 12.0045, 17.5157

Protanopia

11.9263, 11.9730, 19.1352

Deuteranopia

12.2184, 12.0293, 17.3007



Tritanopia

12.8893, 12.0659, 13.4540

Trichromacy



Original Color

13.6799, 12.0045, 17.5157

Protanomaly

12.3808, 11.8224, 18.4590

Deuteranomaly

12.7207, 12.0242, 17.2732

Tritanomaly

13.1792, 12.0591, 14.7297

Monochromacy



Original Color

13.6799, 12.0045, 17.5157

Achromatopsia

12.1130, 12.7438, 13.8780

Achromatomaly

12.5584, 12.3889, 15.0940

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.6799, 12.0045, 17.5157 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(115, 89, 114)` looks like.

```
.text, #text, p{  
    color:rgb(115, 89, 114)  
}
```

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(115, 89, 114) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(115, 89, 114) }
```

Border

The CSS property to change the border of an element to XYZ 13.6799, 12.0045, 17.5157 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(115, 89, 114) }
```


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

```
.border{ border-color:rgb(115, 89, 114) }
```

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

Here you see how a box with a 4 pixel `rgb(115, 89, 114)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(115, 89, 114); -webkit-box-  
shadow:4px 4px 4px 4px rgb(115, 89, 114);  
box-shadow:4px 4px 4px 4px rgb(115, 89,  
114) }
```

Background

The CSS property to change the background color of an element to XYZ 13.6799, 12.0045, 17.5157 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(115, 89, 114) }
```

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

```
.background{ background-color: rgb(115, 89,  
114) }
```

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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