

Converting Colors

XYZ(15.8834, 12.8223, 30.6823)

Have a look what the booklet for
XYZ(15.8834, 12.8223, 30.6823)
contains.

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Color

**XYZ(15.8875, 12.8575,
30.4985)**

Conversions

Conversions Part 1

Format	Color
Hex	715996
RGB	113, 89, 150
RGB Percent	44%, 35%, 59%
CMY	0.5569, 0.6510, 0.4118
CMYK	0.25, 0.41, 0.00, 0.41
HSL	264°, 26%, 47%
HSV	264°, 41%, 59%
XYZ	15.8875, 12.8575, 30.4985
YIQ	103.1300, -5.2770, 24.0590

Conversions

Conversions Part 2

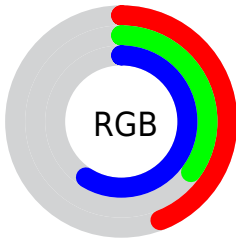
Format	Color
R_{YB}	113, 89, 150
Decimal	7428502
CIE _{Lab}	42.55, 23.07, -29.91
CIE _{LCh}	43, 37.775, 307.637
Yxy	12.8575, 0.2682, 0.2170
Android (android.graphics.Color)	4285618582 (0xFF715996)
YUV	103.1300, 23.1069, 8.6560
Hunter-Lab	35.8574, 16.3385, -25.3290

Details

The XYZ color **15.8875, 12.8575, 30.4985** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **21.3139, 26.9698, 13.5340**, and the grayscale version is **12.8687, 13.5389, 14.7438**.

A 20% lighter version of the original color is **35.8576, 30.9319, 61.2073**, and **5.1659, 3.6854, 12.2435** is the 20% darker color. If you saturate the color by 10%, you get **13.6518, 10.0372, 30.0722**, and if you desaturate by 10%, it is **18.4959, 16.2480, 31.0157**.

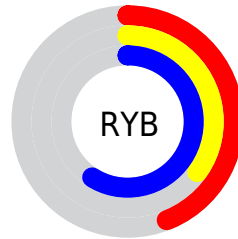
Distribution



Red (44%)

Green (35%)

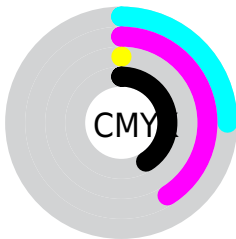
Blue (59%)



Red (44%)

Yellow (35%)

Blue (59%)

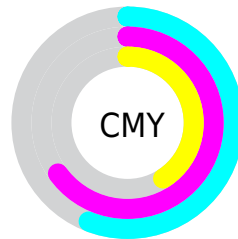


Cyan (25%)

Magenta (41%)

Yellow (0%)

Black (41%)



Cyan (56%)

Magenta (65%)

Yellow (41%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.8875, 12.8575, 30.4985 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 15.8875, 12.8575, 30.4985 by changing the saturation by 10% instead.

■ 15.8875, 12.8575,
30.4985

■ 15.8875, 12.8575,
30.4985

221.9604,
210.0024, 318.5006

■ 9.5349, 7.3305,
19.9620

■ 35.9618, 31.0475,
61.5199

■ 5.1516, 3.6696,
12.1836

■ 50.4143, 44.4794,
82.8420

■ 2.3721, 1.4905,
6.7448

■ 68.2974, 61.3149,
108.5963

■ 0.8312, 0.2821,
3.2270

■ 89.9765, 81.9386,
139.2013

■ 0.0000, 0.0000,
1.2117

■ 115.8170,
106.7348, 175.0758

■ 0.0000, 0.0000,
0.0000

146.1843,

136.0879, 216.6381

181.4436,
170.3823, 264.3068

■ 15.8875, 12.8575,
30.4985

■ 15.8875, 12.8575,
30.4985

■ 13.6518, 10.0372,
30.0722

■ 18.4959, 16.2480,
31.0157

■ 11.7683, 7.7527,
29.7305

■ 21.4930, 20.2374,
31.6277

■ 10.2167, 5.9681,
29.4678

■ 24.8958, 24.8541,
32.3395

■ 8.9736, 4.6424,
29.2775

■ 28.7195, 30.1245,
33.1553

■ 8.0121, 3.7276,
29.1516

■ 32.9787, 36.0730,
34.0790

■ 7.3098, 3.1324,
29.0737

■ 37.6872, 42.7233,
35.1144

■ 42.8582, 50.0974,
36.2652

■ 48.5043, 58.2167,
37.5348

■ 54.6376, 67.1016,
38.9265

Harmonies

Analogous

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



12.9646, 12.8575, 36.0691



15.8875, 12.8575, 30.4985



18.0308, 12.8575, 20.8714

Triad

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



15.8875, 12.8575, 30.4985



14.4299, 12.8575, 3.9147



7.5485, 12.8575, 16.1938

Complementary

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



15.8875, 12.8575, 30.4985



21.3139, 26.9698, 13.5340

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.



7.8157, 12.8575, 8.8307



15.8875, 12.8575, 30.4985



11.5058, 12.8575, 3.4856

Square

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



15.8875, 12.8575, 30.4985



17.1020, 12.8575, 6.4283



9.1665, 12.8575, 4.8775



8.3696, 12.8575, 25.9574

Rectangle

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



15.8875, 12.8575, 30.4985



18.5648, 12.8575, 14.6578



9.1665, 12.8575, 4.8775



7.5167, 12.8575, 13.3615

Sweetspot

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



15.8880, 12.8580, 30.4988



42.9433, 42.5065, 56.8625



17.1652, 19.4062, 31.6954



9.3603, 9.2066, 12.5685



71.1368, 74.8414, 81.5023



11.3376, 11.9280, 12.9896

Same Dimension

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



15.8880, 12.8580, 30.4988



24.3477, 18.0302, 53.1182



20.3852, 15.1764, 30.7093



5.7025, 5.7376, 7.2767



6.0967, 2.6155, 24.1146



0.1061, 0.0483, 0.2966

Inverse Universe

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



19.9162, 15.1356, 21.6105



32.6811, 22.7510, 34.3156



17.5460, 25.0274, 13.3577



5.9396, 5.8709, 6.7882



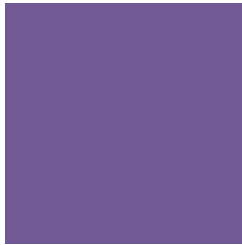
12.0132, 6.0103, 8.8165



0.1616, 0.0794, 0.1845

Previews

White Background



This preview shows how the XYZ color 15.8875, 12.8575, 30.4985 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 15.8875, 12.8575, 30.4985 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 15.8875, 12.8575, 30.4985

Background



This preview shows how black text looks on a background with the XYZ color 15.8875, 12.8575, 30.4985.



This preview shows how white text looks on a background with the XYZ color 15.8875, 12.8575,

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

15.8875, 12.8575, 30.4985

Protanopia

13.7753, 13.0120, 34.1333

Deuteranopia

13.2958, 13.0018, 29.8258



Tritanopia

12.7949, 12.7792, 15.4279

Trichromacy



Original Color

15.8875, 12.8575, 30.4985

Protanomaly

14.3230, 12.7751, 32.7213

Deuteranomaly

14.1219, 12.8628, 30.1722

Tritanomaly

13.7894, 12.7777, 20.1519

Monochromacy



Original Color

15.8875, 12.8575, 30.4985

Achromatopsia

12.8919, 13.5633, 14.7705

Achromatomaly

13.8213, 13.2172, 19.5920

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.8875, 12.8575, 30.4985 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(113, 89, 150)` looks like.

```
.text, #text, p{  
    color:rgb(113, 89, 150)  
}
```

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(113, 89, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 89, 150) }
```

Border

The CSS property to change the border of an element to XYZ 15.8875, 12.8575, 30.4985 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(113, 89, 150) }
```


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

```
.border{ border-color:rgb(113, 89, 150) }
```

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

Here you see how a box with a 4 pixel `rgb(113, 89, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(113, 89, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(113, 89, 150);  
box-shadow:4px 4px 4px 4px rgb(113, 89,  
150) }
```

Background

The CSS property to change the background color of an element to XYZ 15.8875, 12.8575, 30.4985 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(113, 89, 150) }
```

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

```
.background{ background-color: rgb(113, 89,  
150) }
```

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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