

Converting Colors

XYZ(13.3843, 10.0423, 27.2173)

Have a look what the booklet for
XYZ(13.3843, 10.0423, 27.2173)
contains.

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Color

**XYZ(13.4179, 10.0795,
27.2249)**

Conversions

Conversions Part 1

Format	Color
Hex	6A4B8F
RGB	106, 75, 143
RGB Percent	42%, 29%, 56%
CMY	0.5843, 0.7059, 0.4392
CMYK	0.26, 0.48, 0.00, 0.44
HSL	267°, 31%, 43%
HSV	267°, 48%, 56%
XYZ	13.4179, 10.0795, 27.2249
YIQ	92.0210, -3.3520, 27.7200

Conversions

Conversions Part 2

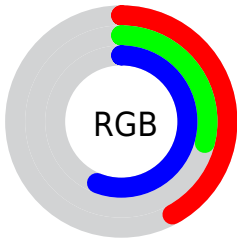
Format	Color
R _Y B	106, 75, 143
Decimal	6966159
CIE Lab	37.98, 27.65, -32.92
CIE LCh	38, 42.995, 310.030
Yxy	10.0795, 0.2645, 0.1987
Android (android.graphics.Color)	4285156239 (0xFF6A4B8F)
YUV	92.0210, 25.1326, 12.2596
Hunter-Lab	31.7482, 19.8809, -28.6189

Details

The XYZ color **13.4179, 10.0795, 27.2249** is a dark color, and the websafe version is hex **663366**. A complement of this color would be **17.7747, 23.5978, 10.2749**, and the grayscale version is **10.1224, 10.6495, 11.5973**.

A 20% lighter version of the original color is **31.7097, 26.0694, 56.1839**, and **4.0020, 2.4922, 10.3953** is the 20% darker color. If you saturate the color by 10%, you get **11.6718, 7.8979, 26.8960**, and if you desaturate by 10%, it is **15.4667, 12.7412, 27.6308**.

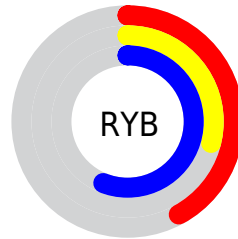
Distribution



Red (42%)

Green (29%)

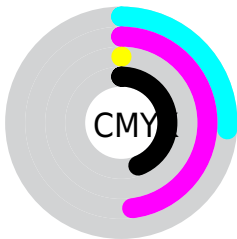
Blue (56%)



Red (42%)

Yellow (29%)

Blue (56%)

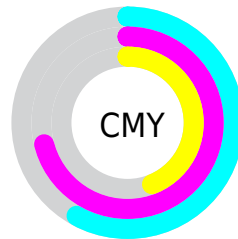


Cyan (26%)

Magenta (48%)

Yellow (0%)

Black (44%)



Cyan (58%)

Magenta (71%)

Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.4179, 10.0795, 27.2249 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 13.4179, 10.0795, 27.2249 by changing the saturation by 10% instead.

■ 13.4179, 10.0795,
27.2249

■ 13.4179, 10.0795,
27.2249

207.1628,
191.2385, 302.5390

■ 7.7959, 5.4517,
17.5083

■ 31.6475, 25.9449,
56.2527

■ 4.0153, 2.5147,
10.4318

■ 44.9859, 37.9513,
76.4009

■ 1.7108, 0.8840,
5.5768

■ 61.6270, 53.1861,
100.8634

■ 0.4630, 0.0000,
2.5249

■ 81.9364, 72.0336,
130.0587

■ 0.0000, 0.0000,
0.8533

■ 106.2793, 94.8781,
164.4054

■ 0.0000, 0.0000,
0.0000

135.0211,

122.1042, 204.3219

168.5271,
154.0962, 250.2270

■ 13.4179, 10.0795,
27.2249

■ 13.4179, 10.0795,
27.2249

■ 11.6718, 7.8979,
26.8960

■ 15.4667, 12.7412,
27.6308

■ 10.2102, 6.1645,
26.6385

■ 17.8327, 15.9096,
28.1177

■ 9.0146, 4.8453,
26.4469

■ 20.5305, 19.6111,
28.6900

■ 8.0633, 3.9004,
26.3146

■ 23.5737, 23.8695,
29.3515

■ 7.3175, 3.2560,
26.2295

■ 26.9748, 28.7072,
30.1061

7.1508, 3.1136,
26.2108

30.7460, 34.1456,
30.9570

34.8985, 40.2047,
31.9077

39.4434, 46.9036,
32.9612

44.3910, 54.2609,
34.1205

Harmonies

Analogous

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



10.5352, 10.0795, 33.7963



13.4179, 10.0795, 27.2249



15.4884, 10.0795, 17.0316

Triad

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



13.4179, 10.0795, 27.2249



11.5108, 10.0795, 1.9884



5.2447, 10.0795, 13.8425

Complementary

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



13.4179, 10.0795, 27.2249



17.7747, 23.5978, 10.2749

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.



5.4057, 10.0795, 6.5570



13.4179, 10.0795, 27.2249



8.6848, 10.0795, 1.7779

Square

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



13.4179, 10.0795, 27.2249



14.2489, 10.0795, 3.8112



6.5545, 10.0795, 2.9628



6.0622, 10.0795, 23.9511

Rectangle

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



13.4179, 10.0795, 27.2249



15.9324, 10.0795, 10.9669



6.5545, 10.0795, 2.9628



5.1906, 10.0795, 10.9829

Sweetspot

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



13.4183, 10.0799, 27.2251



38.4718, 37.4913, 51.7469



13.6983, 15.1561, 28.1902



8.5857, 8.2680, 11.8156



69.3244, 72.9347, 79.4259



10.7221, 11.2805, 12.2844

Same Dimension

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



13.4183, 10.0799, 27.2251



20.7159, 13.9171, 48.1324



18.2222, 12.5564, 27.4500



5.3485, 5.3679, 6.7830



6.3463, 2.7652, 23.1763



0.0856, 0.0393, 0.2227

Inverse Universe

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



16.7686, 12.0419, 16.7697



27.7294, 18.0303, 25.9787



14.2675, 21.7898, 10.1108



5.5239, 5.4701, 6.2567



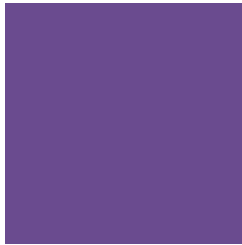
11.2363, 5.6515, 6.8954



0.1186, 0.0585, 0.1246

Previews

White Background



This preview shows how the XYZ color 13.4179, 10.0795, 27.2249 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 13.4179, 10.0795, 27.2249 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 13.4179, 10.0795, 27.2249

Background



This preview shows how black text looks on a background with the XYZ color 13.4179, 10.0795, 27.2249.



This preview shows how white text looks on a background with the XYZ color 13.4179, 10.0795,

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

13.4179, 10.0795, 27.2249

Protanopia

11.1044, 10.1101, 31.9380

Deuteranopia

10.4397, 10.2625, 26.2416



Tritanopia

10.3137, 10.1481, 11.7711

Trichromacy



Original Color

13.4179, 10.0795, 27.2249

Protanomaly

11.6588, 9.9663, 30.1634

Deuteranomaly

11.2807, 10.0824, 26.5508

Tritanomaly

11.2180, 10.0435, 16.3863

Monochromacy



Original Color

13.4179, 10.0795, 27.2249

Achromatopsia

10.1725, 10.7023, 11.6548

Achromatomaly

11.1268, 10.3447, 16.4492

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.4179, 10.0795, 27.2249 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, 75, 143)` looks like.

```
.text, #text, p{  
    color:rgb(106, 75, 143)  
}
```

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, 75, 143) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 75, 143) }
```

Border

The CSS property to change the border of an element to XYZ 13.4179, 10.0795, 27.2249 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, 75, 143) }
```


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

```
.border{ border-color:rgb(106, 75, 143) }
```

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

Here you see how a box with a 4 pixel `rgb(106, 75, 143)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(106, 75, 143); -webkit-box-  
shadow:4px 4px 4px 4px rgb(106, 75, 143);  
box-shadow:4px 4px 4px 4px rgb(106, 75,  
143) }
```

Background

The CSS property to change the background color of an element to XYZ 13.4179, 10.0795, 27.2249 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 75, 143) }
```

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

```
.background{ background-color: rgb(106, 75,  
143) }
```

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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