

Converting Colors

XYZ(10.0296, 5.2615, 15.3811)

Have a look what the booklet for
XYZ(10.0296, 5.2615, 15.3811)
contains.

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Color

**XYZ(10.0408, 5.2770,
15.2412)**

Conversions

Conversions Part 1

Format	Color
Hex	72166E
RGB	114, 22, 110
RGB Percent	45%, 9%, 43%
CMY	0.5529, 0.9137, 0.5686
CMYK	0.00, 0.81, 0.04, 0.55
HSL	303°, 68%, 27%
HSV	303°, 81%, 45%
XYZ	10.0408, 5.2770, 15.2412
YIQ	59.5400, 26.5840, 46.8720

Conversions

Conversions Part 2

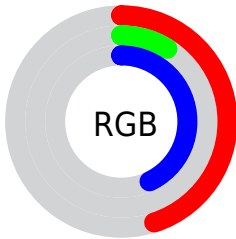
Format	Color
R _Y B	114, 22, 110
Decimal	7476846
CIE Lab	27.51, 48.82, -28.83
CIE LCh	28, 56.697, 329.439
Yxy	5.2770, 0.3286, 0.1727
Android (android.graphics.Color)	4285666926 (0xFF72166E)
YUV	59.5400, 24.8768, 47.7614
Hunter-Lab	22.9717, 37.8208, -23.2573

Details

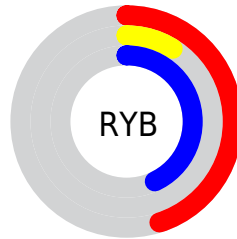
The XYZ color **10.0408, 5.2770, 15.2412** is a dark color, and the websafe version is hex **660066**. A complement of this color would be **6.5349, 12.2800, 3.0034**, and the grayscale version is **4.1958, 4.4143, 4.8072**.

A 20% lighter version of the original color is **25.6082, 16.4924, 36.0161**, and **2.8561, 1.3719, 4.6717** is the 20% darker color. If you saturate the color by 10%, you get **9.8423, 4.9228, 15.0423**, and if you desaturate by 10%, it is **10.3362, 5.8244, 15.4733**.

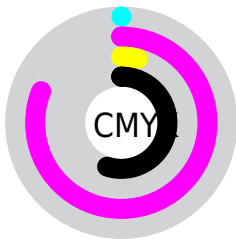
Distribution



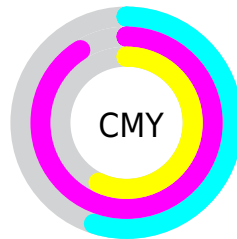
- Red (45%)
- Green (9%)
- Blue (43%)



- Red (45%)
- Yellow (9%)
- Blue (43%)



- Cyan (0%)
- Magenta (81%)
- Yellow (4%)
- Black (55%)



- Cyan (55%)
- Magenta (91%)
- Yellow (57%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 10.0408, 5.2770, 15.2412 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 10.0408, 5.2770, 15.2412 by changing the saturation by 10% instead.

10.0408, 5.2770,
15.2412

10.0408, 5.2770,
15.2412

185.0106,
152.4633, 236.5124

5.4885, 2.4107,
8.8403

25.5212, 16.4115,
36.0240

2.5743, 0.8314,
4.5418

37.1800, 25.4485,
51.2431

0.9329, 0.0000,
1.9270

51.9383, 37.3111,
70.2386

0.0000, 0.0000,
0.5099

70.1616, 52.3838,
93.4292

0.0000, 0.0000,
0.0000

92.2150, 71.0510,
121.2333

118.4641, 93.6971,

154.0695

149.2742,
120.7064, 192.3564

10.0408, 5.2770,
15.2412

10.0408, 5.2770,
15.2412

9.8423, 4.9228,
15.0423

10.3362, 5.8244,
15.4733

9.7022, 4.6825,
14.8727

10.7393, 6.5869,
15.7419

11.2598, 7.5842,
16.0505

11.9065, 8.8336,
16.4018

12.6872, 10.3507,
16.7986

■ 13.6092, 12.1500,
17.2432

■ 14.6790, 14.2448,
17.7378

■ 15.9029, 16.6477,
18.2846

■ 17.2869, 19.3704,
18.8855

Harmonies

Analogous

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



7.6001, 5.2770, 26.1972



10.0408, 5.2770, 15.2412



11.0779, 5.2770, 5.8742

Triad

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



10.0408, 5.2770, 15.2412



5.0603, 5.2770, 0.0000



2.0056, 5.2770, 14.8220

Complementary

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



10.0408, 5.2770, 15.2412



6.5349, 12.2800, 3.0034

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.



1.7035, 5.2770, 5.6192



10.0408, 5.2770, 15.2412



3.0956, 5.2770, 0.0000

Square

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



10.0408, 5.2770, 15.2412



7.7023, 5.2770, 0.0000



2.0298, 5.2770, 1.3412



3.0400, 5.2770, 25.8483

Rectangle

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



10.0408, 5.2770, 15.2412



10.6443, 5.2770, 2.4092



2.0298, 5.2770, 1.3412



1.8327, 5.2770, 11.2635

Sweetspot

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



10.0410, 5.2772, 15.2413



23.2496, 20.0507, 29.9845



3.7270, 1.9965, 16.1087



5.2740, 4.4364, 6.8847



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.



10.0410, 5.2772, 15.2413



17.0999, 8.3257, 26.1639



8.1788, 4.5324, 5.4351



3.5084, 3.4511, 4.2042



10.7987, 5.2118, 16.5476



53.7081, 25.9286, 81.9841

Inverse Universe

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



10.0410, 5.2772, 15.2413



17.0999, 8.3257, 26.1639



7.4879, 12.6612, 8.0221



3.5084, 3.4511, 4.2042



10.7987, 5.2118, 16.5476



53.7081, 25.9286, 81.9841

Previews

White Background



This preview shows how the XYZ color 10.0408, 5.2770, 15.2412 looks on a white background.

Color Contrast Check

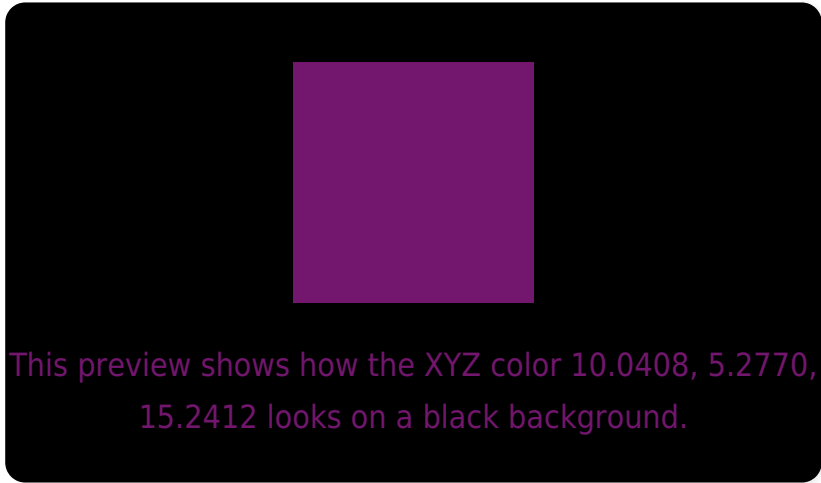
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 10.0408, 5.2770, 15.2412

Background



This preview shows how black text looks on a background with the XYZ color 10.0408, 5.2770, 15.2412.



This preview shows how white text looks on a background with the XYZ color 10.0408, 5.2770,

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

10.0408, 5.2770, 15.2412

Protanopia

6.3488, 5.4729, 24.3887

Deuteranopia

5.6781, 5.6181, 13.8818



Tritanopia

7.7766, 5.4515, 3.6600

Trichromacy



Original Color

10.0408, 5.2770, 15.2412

Protanomaly

5.8435, 4.2003, 20.5814

Deuteranomaly

6.3839, 4.7479, 14.2156

Tritanomaly

8.2932, 5.1691, 6.6915

Monochromacy



Original Color

10.0408, 5.2770, 15.2412

Achromatopsia

4.2949, 4.5186, 4.9208

Achromatomaly

5.6604, 4.2095, 7.7219

CSS Examples

Text

The CSS property to change the color of the text to XYZ 10.0408, 5.2770, 15.2412 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(114, 22, 110)` looks like.

```
.text, #text, p{  
    color:rgb(114, 22, 110)  
}
```

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(114, 22, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(114, 22, 110) }
```

Border

The CSS property to change the border of an element to XYZ 10.0408, 5.2770, 15.2412 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(114, 22, 110) }
```


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

```
.border{ border-color:rgb(114, 22, 110) }
```

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

Here you see how a box with a 4 pixel `rgb(114, 22, 110)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(114, 22, 110); -webkit-box-  
shadow:4px 4px 4px 4px rgb(114, 22, 110);  
box-shadow:4px 4px 4px 4px rgb(114, 22,  
110) }
```

Background

The CSS property to change the background color of an element to XYZ 10.0408, 5.2770, 15.2412 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(114, 22, 110) }
```

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

```
.background{ background-color: rgb(114, 22,  
110) }
```

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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