

Converting Colors

XYZ(12.2191, 6.4413, 14.7866)

Have a look what the booklet for
XYZ(12.2191, 6.4413, 14.7866)
contains.

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Color

**XYZ(12.2191, 6.4413,
14.7866)**

Conversions

Conversions Part 1

Format	Color
Hex	82176C
RGB	130, 23, 108
RGB Percent	51%, 9%, 42%
CMY	0.4902, 0.9098, 0.5765
CMYK	0.00, 0.82, 0.17, 0.49
HSL	312°, 70%, 30%
HSV	312°, 82%, 51%
XYZ	12.2191, 6.4413, 14.7866
YIQ	64.6830, 36.4870, 49.1190

Conversions

Conversions Part 2

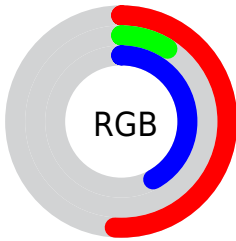
Format	Color
R_{YB}	130, 23, 108
Decimal	8525676
CIE _{Lab}	30.50, 51.92, -22.63
CIE _{LCh}	30, 56.638, 336.450
Yxy	6.4413, 0.3653, 0.1926
Android (android.graphics.Color)	4286715756 (0xFF82176C)
YUV	64.6830, 21.3553, 57.2830
Hunter-Lab	25.3797, 41.5246, -16.7774

Details

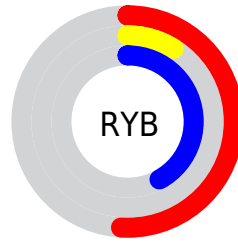
The XYZ color **12.2191, 6.4413, 14.7866** is a dark color, and the websafe version is hex **660066**. A complement of this color would be **8.8100, 16.3372, 5.1723**, and the grayscale version is **4.9415, 5.1988, 5.6615**.

A 20% lighter version of the original color is **29.5373, 18.8620, 35.3417**, and **3.7961, 1.8627, 4.4344** is the 20% darker color. If you saturate the color by 10%, you get **11.8813, 5.9898, 13.9828**, and if you desaturate by 10%, it is **12.6884, 7.1485, 15.6558**.

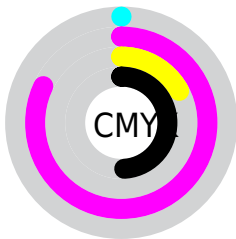
Distribution



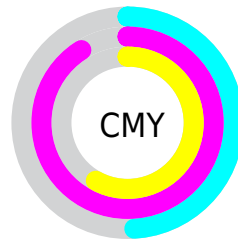
- Red (51%)
- Green (9%)
- Blue (42%)



- Red (51%)
- Yellow (9%)
- Blue (42%)



- Cyan (0%)
- Magenta (82%)
- Yellow (17%)
- Black (49%)



- Cyan (49%)
- Magenta (91%)
- Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.2191, 6.4413, 14.7866 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 12.2191, 6.4413, 14.7866 by changing the saturation by 10% instead.

12.2191, 6.4413,
14.7866

12.2191, 6.4413,
14.7866

199.5909,
162.9371, 233.6670

6.9663, 3.1152,
8.5248

29.5069, 18.8401,
35.2154

3.4872, 1.1922,
4.3400

42.2727, 28.6816,
50.2194

1.4163, 0.0553,
1.8137

58.2735, 41.4637,
68.9746

0.2678, 0.0000,
0.4369


77.8748, 57.5708,
91.8995


0.0000, 0.0000,
0.0000


101.4418, 77.3873,
119.4127


129.3399,

101.2976, 151.9326


 161.9345,
129.6861, 189.8779

 12.2191, 6.4413,
14.7866

 12.2191, 6.4413,
14.7866


 11.8813, 5.9898,
13.9828


 12.6884, 7.1485,
15.6558

 11.6678, 5.7306,
13.3942

 13.3048, 8.1431,
16.5957

 14.0825, 9.4532,
17.6114

 15.0339, 11.1034,
18.7069

 16.1699, 13.1158,
19.8863

■ 17.5009, 15.5107,
21.1531

■ 19.0361, 18.3068,
22.5106

■ 20.7843, 21.5216,
23.9619

■ 22.7539, 25.1715,
25.5100

Harmonies

Analogous

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



9.7525, 6.4413, 27.0513



12.2191, 6.4413, 14.7866



12.8633, 6.4413, 5.4727

Triad

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



12.2191, 6.4413, 14.7866



5.5575, 6.4413, 0.0000



2.8245, 6.4413, 20.0699

Complementary

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



12.2191, 6.4413, 14.7866



8.8100, 16.3372, 5.1723

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.



2.2776, 6.4413, 8.8193



12.2191, 6.4413, 14.7866



3.5274, 6.4413, 0.4913

Square

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



12.2191, 6.4413, 14.7866



8.4389, 6.4413, 0.0465



2.4905, 6.4413, 2.5931



4.2739, 6.4413, 31.3694

Rectangle

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



12.2191, 6.4413, 14.7866



12.0440, 6.4413, 2.2575



2.4905, 6.4413, 2.5931



2.5519, 6.4413, 15.9361

Sweetspot

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



12.2193, 6.4416, 14.7867



30.0165, 25.8629, 36.5067



5.3920, 2.7692, 21.3697



6.6385, 5.5738, 8.1153



62.3462, 65.5931, 71.4309



8.4577, 8.8982, 9.6901

Same Dimension

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



12.2193, 6.4416, 14.7867



20.5365, 10.1167, 23.4391



10.2046, 5.6358, 4.1775



4.4615, 4.3977, 5.2346



11.1899, 5.4957, 12.8558



0.0000, 0.0000, 0.0000

Inverse Universe

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



12.2193, 6.4416, 14.7867



20.5365, 10.1167, 23.4391



10.5362, 17.0277, 14.2625



4.4615, 4.3977, 5.2346



11.1899, 5.4957, 12.8558



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 12.2191, 6.4413, 14.7866 looks on a white background.

Color Contrast Check

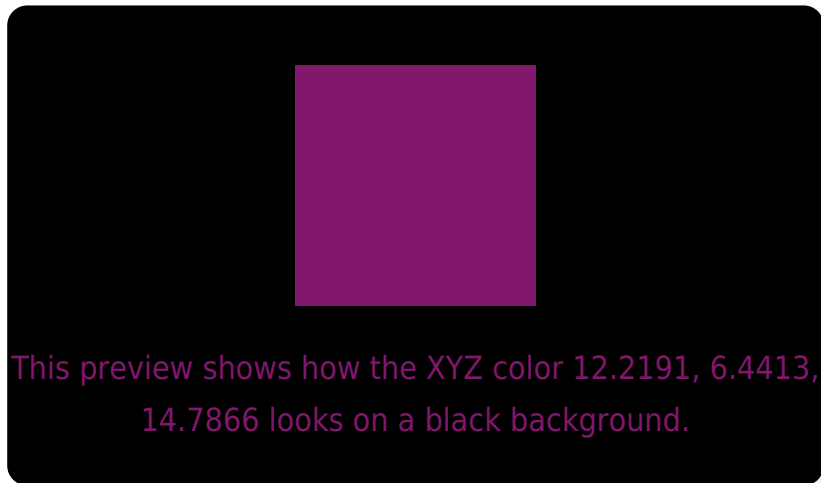
Large Text (above 18pt) WCAG AA ✓ Pass

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

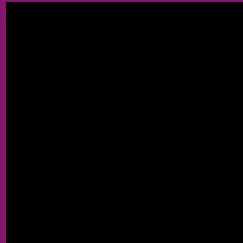
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 12.2191, 6.4413, 14.7866

Background



This preview shows how black text looks on a background with the XYZ color 12.2191, 6.4413, 14.7866.



This preview shows how white text looks on a background with the XYZ color 12.2191, 6.4413,

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

12.2191, 6.4413, 14.7866

Protanopia

7.8506, 6.7836, 28.4994

Deuteranopia

6.8952, 6.8144, 13.5223



Tritanopia

10.0283, 6.6148, 3.6540

Trichromacy



Original Color

12.2191, 6.4413, 14.7866

Protanomaly

7.4773, 5.3239, 22.8238

Deuteranomaly

7.8894, 5.8066, 13.8017

Tritanomaly

10.5510, 6.3404, 6.4621

Monochromacy



Original Color

12.2191, 6.4413, 14.7866

Achromatopsia

5.0244, 5.2861, 5.7565

Achromatomaly

6.7456, 4.9991, 8.3940

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.2191, 6.4413, 14.7866 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(130, 23, 108)` looks like.

```
.text, #text, p{  
    color:rgb(130, 23, 108)  
}
```

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(130, 23, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 23, 108) }
```

Border

The CSS property to change the border of an element to XYZ 12.2191, 6.4413, 14.7866 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(130, 23, 108) }
```


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

```
.border{ border-color:rgb(130, 23, 108) }
```

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

Here you see how a box with a 4 pixel rgb(130, 23, 108) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 23, 108); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 23, 108);  
box-shadow:4px 4px 4px 4px rgb(130, 23,  
108) }
```

Background

The CSS property to change the background color of an element to XYZ 12.2191, 6.4413, 14.7866 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 23, 108) }
```

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

```
.background{ background-color: rgb(130, 23,  
108) }
```

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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