

Converting Colors

XYZ(22.6531, 14.2098, 12.2849)

Have a look what the booklet for
XYZ(22.6531, 14.2098, 12.2849)
contains.

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Color

**XYZ(22.7782, 14.3101,
12.3881)**

Conversions

Conversions Part 1

Format	Color
Hex	B4415F
RGB	180, 65, 95
RGB Percent	71%, 25%, 37%
CMY	0.2941, 0.7451, 0.6274
CMYK	0.00, 0.64, 0.47, 0.29
HSL	344°, 47%, 48%
HSV	344°, 64%, 71%
XYZ	22.7782, 14.3101, 12.3881
YIQ	102.8050, 58.9100, 33.7100

Conversions

Conversions Part 2

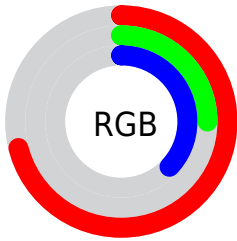
Format	Color
RYB	180, 65, 95
Decimal	11813215
CIELab	44.67, 49.05, 7.70
CIELCh	45, 49.646, 8.921
Yxy	14.3101, 0.4604, 0.2892
Android (android.graphics.Color)	4290003295 (0xFFB4415F)
YUV	102.8050, -3.8479, 67.7000
Hunter-Lab	37.8287, 41.2819, 7.0639

Details

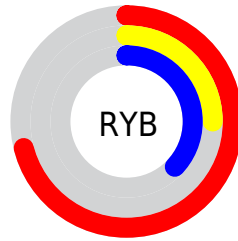
The XYZ color **22.7782, 14.3101, 12.3881** is a dark color, and the websafe version is hex **CC3366**. A complement of this color would be **24.0071, 35.9686, 34.5340**, and the grayscale version is **12.8402, 13.5089, 14.7112**.

A 20% lighter version of the original color is **47.6428, 33.7633, 30.7940**, and **8.5804, 4.3593, 3.2949** is the 20% darker color. If you saturate the color by 10%, you get **21.3505, 12.3414, 9.1789**, and if you desaturate by 10%, it is **24.6392, 16.9801, 16.2517**.

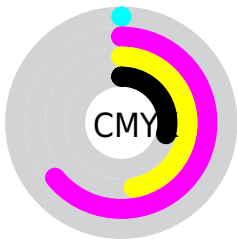
Distribution



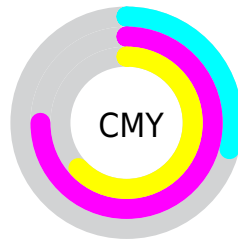
- Red (71%)
- Green (25%)
- Blue (37%)



- Red (71%)
- Yellow (25%)
- Blue (37%)



- Cyan (0%)
- Magenta (64%)
- Yellow (47%)
- Black (29%)



- Cyan (29%)
- Magenta (75%)
- Yellow (63%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.7782, 14.3101, 12.3881 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 22.7782, 14.3101, 12.3881 by changing the saturation by 10% instead.

■ 22.7782, 14.3101,
12.3881

■ 22.7782, 14.3101,
12.3881

259.1404,
219.1515, 218.0263

■ 14.5496, 8.3367,
6.8828

■ 47.4982, 33.6382,
30.8749

■ 8.5882, 4.3111,
3.3116

■ 64.7204, 47.7617,
44.6935

■ 4.5285, 1.8491,
1.2559

■ 85.6711, 65.3707,
62.1203

■ 2.0052, 0.5175,
0.0252

■ 110.7157, 86.8496,
83.5739

■ 0.6369, 0.0000,
0.0000

■ 140.2196,
112.5827, 109.4727

■ 0.0000, 0.0000,
0.0000

174.5481,

142.9544, 140.2354

214.0666,
178.3493, 176.2804

■ 22.7782, 14.3101,
12.3881

■ 22.7782, 14.3101,
12.3881

■ 21.3505, 12.3414,
9.1789

■ 24.6392, 16.9801,
16.2517

■ 20.3172, 11.0045,
6.5848

■ 26.9654, 20.4075,
20.8039

■ 19.6337, 10.2194,
4.5629

■ 29.7872, 24.6454,
26.0776

■ 19.3344, 9.9081,
3.5774

■ 33.1317, 29.7416,
32.1031

■ 37.0243, 35.7400,
38.9089

■ 41.4884, 42.6815,
46.5220

■ 46.5463, 50.6045,
54.9681

■ 52.2189, 59.5453,
64.2717

■ 58.5263, 69.5383,
74.4564

Harmonies

Analogous

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



22.1847, 14.3101, 24.9988



22.7782, 14.3101, 12.3881



20.5615, 14.3101, 5.3868

Triad

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



22.7782, 14.3101, 12.3881



9.2923, 14.3101, 3.9104



11.0014, 14.3101, 46.7994

Complementary

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



22.7782, 14.3101, 12.3881



24.0071, 35.9686, 34.5340

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.



8.4212, 14.3101, 34.0864



22.7782, 14.3101, 12.3881



7.5784, 14.3101, 8.8872

Square

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



22.7782, 14.3101, 12.3881



12.4351, 14.3101, 2.3350



7.2945, 14.3101, 19.2808



14.8382, 14.3101, 49.3767

Rectangle

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



22.7782, 14.3101, 12.3881



18.0045, 14.3101, 3.2581



7.2945, 14.3101, 19.2808



9.9818, 14.3101, 43.3491

Sweetspot

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



22.7786, 14.3109, 12.3883



63.1676, 58.6801, 63.6586



22.5845, 13.4978, 44.5948



13.2342, 12.0391, 13.0232



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



22.7786, 14.3109, 12.3883



37.7989, 21.1696, 14.4251



23.5898, 17.7113, 7.1774



8.5843, 8.5405, 9.3096



13.5183, 6.9249, 2.6234



0.4498, 0.2277, 0.2112

Inverse Universe

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



22.7786, 14.3109, 12.3883



37.7989, 21.1696, 14.4251



21.8374, 27.2568, 47.2899



8.5843, 8.5405, 9.3096



13.5183, 6.9249, 2.6234



0.4498, 0.2277, 0.2112

Previews

White Background



This preview shows how the XYZ color 22.7782, 14.3101, 12.3881 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 22.7782, 14.3101, 12.3881 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

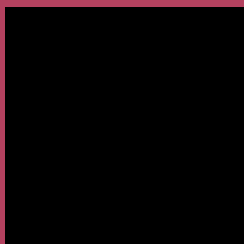
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 22.7782, 14.3101, 12.3881

Background



This preview shows how black text looks on a background with the XYZ color 22.7782, 14.3101, 12.3881.



This preview shows how white text looks on a background with the XYZ color 22.7782, 14.3101,

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

22.7782, 14.3101, 12.3881

Protanopia

14.1906, 14.5957, 18.8989

Deuteranopia

14.7229, 14.4350, 11.4614



Tritanopia

21.9546, 14.3344, 8.0882

Trichromacy



Original Color

22.7782, 14.3101, 12.3881

Protanomaly

16.0171, 13.4918, 16.2280

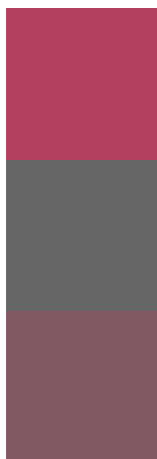
Deuteranomaly

16.9623, 13.8294, 11.6729

Tritanomaly

22.1805, 14.3271, 9.5790

Monochromacy



Original Color

22.7782, 14.3101, 12.3881

Achromatopsia

12.8919, 13.5633, 14.7705

Achromatomaly

15.2327, 12.8902, 13.7418

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.7782, 14.3101, 12.3881 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(180, 65, 95)` looks like.

```
.text, #text, p{  
    color:rgb(180, 65, 95)  
}
```

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(180, 65, 95) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 65, 95) }
```

Border

The CSS property to change the border of an element to XYZ 22.7782, 14.3101, 12.3881 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(180, 65, 95) }
```


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

```
.border{ border-color:rgb(180, 65, 95) }
```

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

Here you see how a box with a 4 pixel rgb(180, 65, 95) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 65, 95); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 65, 95);  
box-shadow:4px 4px 4px 4px rgb(180, 65,  
95) }
```

Background

The CSS property to change the background color of an element to XYZ 22.7782, 14.3101, 12.3881 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 65, 95) }
```

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

```
.background{ background-color: rgb(180, 65,  
95) }
```

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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