

Converting Colors

XYZ(20.9057, 12.9223, 21.5773)

Have a look what the booklet for
XYZ(20.9057, 12.9223, 21.5773)
contains.

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Color

**XYZ(20.8632, 12.8701,
21.4632)**

Conversions

Conversions Part 1

Format	Color
Hex	A43E7F
RGB	164, 62, 127
RGB Percent	64%, 24%, 50%
CMY	0.3569, 0.7568, 0.5020
CMYK	0.00, 0.62, 0.23, 0.36
HSL	322°, 45%, 44%
HSV	322°, 62%, 64%
XYZ	20.8632, 12.8701, 21.4632
YIQ	99.9080, 39.9270, 41.8390

Conversions

Conversions Part 2

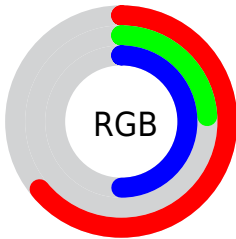
Format	Color
RYB	164, 62, 127
Decimal	10763903
CIELab	42.57, 49.17, -15.42
CIELCh	43, 51.531, 342.589
Yxy	12.8701, 0.3780, 0.2332
Android (android.graphics.Color)	4288953983 (0xFFA43E7F)
YUV	99.9080, 13.3564, 56.2087
Hunter-Lab	35.8749, 41.0263, -10.3595

Details

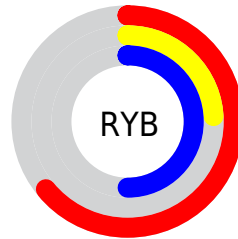
The XYZ color **20.8632, 12.8701, 21.4632** is a dark color, and the websafe version is hex **993366**. A complement of this color would be **17.5149, 28.4762, 16.3792**, and the grayscale version is **12.0502, 12.6778, 13.8061**.

A 20% lighter version of the original color is **44.1877, 30.9289, 46.8209**, and **7.6818, 3.8013, 7.5366** is the 20% darker color. If you saturate the color by 10%, you get **19.7259, 11.1976, 19.2272**, and if you desaturate by 10%, it is **22.2933, 15.0912, 23.9100**.

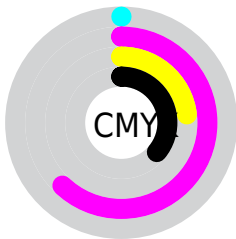
Distribution



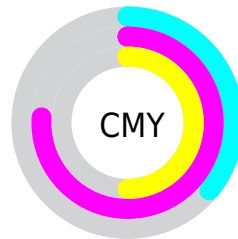
- Red (64%)
- Green (24%)
- Blue (50%)



- Red (64%)
- Yellow (24%)
- Blue (50%)



- Cyan (0%)
- Magenta (62%)
- Yellow (23%)
- Black (36%)



- Cyan (36%)
- Magenta (76%)
- Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.8632, 12.8701, 21.4632 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 20.8632, 12.8701, 21.4632 by changing the saturation by 10% instead.

20.8632, 12.8701,
21.4632

20.8632, 12.8701,
21.4632

249.2961,
210.0835, 272.5915

13.1359, 7.3392,
13.2685

44.3527, 31.0702,
46.7479

7.5999, 3.6751,
7.4808

60.8457, 44.5082,
64.6750

3.8896, 1.4935,
3.6816

80.9913, 61.3506,
86.6833

1.6399, 0.2842,
1.4523

105.1549, 81.9819,
113.1913

0.4182, 0.0000,
0.1820

133.7018,
106.7864, 144.6175

0.0000, 0.0000,
0.0000

166.9974,

136.1486, 181.3806

205.4070,
170.4528, 223.8991

■ 20.8632, 12.8701,
21.4632

■ 20.8632, 12.8701,
21.4632

■ 19.7259, 11.1976,
19.2272

■ 22.2933, 15.0912,
23.9100

■ 18.8547, 10.0215,
17.1909

■ 24.0374, 17.9032,
26.5762

■ 18.2198, 9.2828,
15.3425

■ 26.1160, 21.3461,
29.4705

■ 17.8344, 8.9023,
14.0104

■ 28.5472, 25.4561,
32.6010

■ 31.3483, 30.2666,
35.9750

■ 34.5349, 35.8086,
39.5994

■ 38.1219, 42.1115,
43.4810

■ 42.1236, 49.2029,
47.6262

■ 46.5531, 57.1090,
52.0409

Harmonies

Analogous

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



18.0347, 12.8701, 36.4862



20.8632, 12.8701, 21.4632



21.0969, 12.8701, 9.8382

Triad

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



20.8632, 12.8701, 21.4632



10.6715, 12.8701, 1.7722



7.5048, 12.8701, 34.1233

Complementary

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



20.8632, 12.8701, 21.4632



17.5149, 28.4762, 16.3792

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.



6.2814, 12.8701, 19.2287



20.8632, 12.8701, 21.4632



7.8312, 12.8701, 3.4095

Square

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



20.8632, 12.8701, 21.4632



14.6139, 12.8701, 1.8925



6.3866, 12.8701, 8.5241



10.1252, 12.8701, 46.0707

Rectangle

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



20.8632, 12.8701, 21.4632



19.6922, 12.8701, 5.3432



6.3866, 12.8701, 8.5241



6.9442, 12.8701, 29.0358

Sweetspot

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



20.8636, 12.8707, 21.4634



53.1895, 48.5501, 60.8665



13.4289, 8.7065, 36.0947



11.3404, 10.1222, 12.9520



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

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



20.8636, 12.8707, 21.4634



35.0824, 19.3205, 33.2980



18.3832, 11.8786, 8.4017



7.2548, 7.1584, 8.3279



13.6979, 6.8352, 10.8658



0.3093, 0.1522, 0.3412

Inverse Universe

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



20.8636, 12.8707, 21.4634



35.0824, 19.3205, 33.2980



20.6634, 29.7357, 32.9592



7.2548, 7.1584, 8.3279



13.6979, 6.8352, 10.8658



0.3093, 0.1522, 0.3412

Previews

White Background



This preview shows how the XYZ color 20.8632, 12.8701, 21.4632 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



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

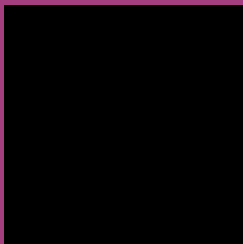
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 20.8632, 12.8701, 21.4632

Background



This preview shows how black text looks on a background with the XYZ color 20.8632, 12.8701, 21.4632.



This preview shows how white text looks on a background with the XYZ color 20.8632, 12.8701,

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

20.8632, 12.8701, 21.4632

Protanopia

13.7716, 13.0396, 32.8014

Deuteranopia

13.2799, 13.0709, 19.9122



Tritanopia

18.3573, 12.9357, 8.9264

Trichromacy



Original Color

20.8632, 12.8701, 21.4632

Protanomaly

14.9942, 12.0794, 28.3293

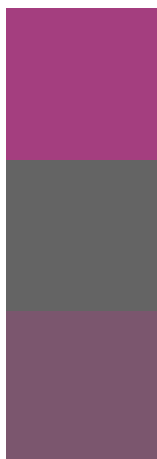
Deuteranomaly

15.2151, 12.3707, 20.3248

Tritanomaly

18.9994, 12.8019, 12.5360

Monochromacy



Original Color

20.8632, 12.8701, 21.4632

Achromatopsia

12.1130, 12.7438, 13.8780

Achromatomaly

14.3106, 11.9923, 16.3123

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.8632, 12.8701, 21.4632 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(164, 62, 127)` looks like.

```
.text, #text, p{  
    color:rgb(164, 62, 127)  
}
```

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(164, 62, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 62, 127) }
```

Border

The CSS property to change the border of an element to XYZ 20.8632, 12.8701, 21.4632 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(164, 62, 127) }
```


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

```
.border{ border-color:rgb(164, 62, 127) }
```

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

Here you see how a box with a 4 pixel `rgb(164, 62, 127)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 62, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 62, 127);  
box-shadow:4px 4px 4px 4px rgb(164, 62,  
127) }
```

Background

The CSS property to change the background color of an element to XYZ 20.8632, 12.8701, 21.4632 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 62, 127) }
```

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

```
.background{ background-color: rgb(164, 62,  
127) }
```

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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