

Converting Colors

XYZ(20.8655, 13.1481, 21.4213)

Have a look what the booklet for
XYZ(20.8655, 13.1481, 21.4213)
contains.

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Color

**XYZ(20.8253, 13.0994,
21.5095)**

Conversions

Conversions Part 1

Format	Color
Hex	A3417F
RGB	163, 65, 127
RGB Percent	64%, 25%, 50%
CMY	0.3608, 0.7451, 0.5020
CMYK	0.00, 0.60, 0.22, 0.36
HSL	322°, 43%, 45%
HSV	322°, 60%, 64%
XYZ	20.8253, 13.0994, 21.5095
YIQ	101.3700, 38.5060, 40.0580

Conversions

Conversions Part 2

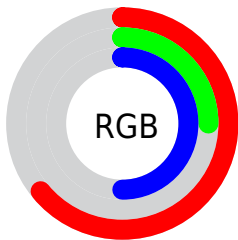
Format	Color
R_{YB}	163, 65, 127
Decimal	10699135
CIE _{Lab}	42.91, 47.50, -14.91
CIE _{LCh}	43, 49.781, 342.575
Yxy	13.0994, 0.3757, 0.2363
Android (android.graphics.Color)	4288889215 (0xFFA3417F)
YUV	101.3700, 12.6356, 54.0495
Hunter-Lab	36.1931, 39.3700, -9.9008

Details

The XYZ color **20.8253, 13.0994, 21.5095** is a dark color, and the websafe version is hex **993366**. A complement of this color would be **17.6268, 28.2582, 16.8385**, and the grayscale version is **12.4271, 13.0743, 14.2379**.

A 20% lighter version of the original color is **44.2319, 31.4678, 46.9226**, and **7.5812, 3.7816, 7.5381** is the 20% darker color. If you saturate the color by 10%, you get **19.6423, 11.3394, 19.2466**, and if you desaturate by 10%, it is **22.3023, 15.4100, 23.9851**.

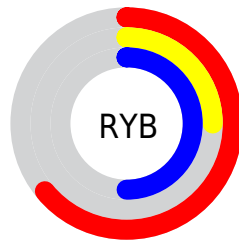
Distribution



Red (64%)

Green (25%)

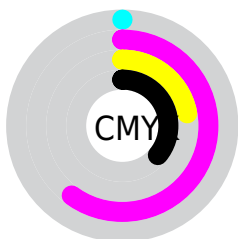
Blue (50%)



Red (64%)

Yellow (25%)

Blue (50%)

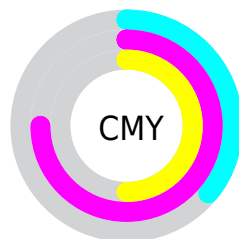


Cyan (0%)

Magenta (60%)

Yellow (22%)

Black (36%)



Cyan (36%)

Magenta (75%)

Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.8253, 13.0994, 21.5095 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 20.8253, 13.0994, 21.5095 by changing the saturation by 10% instead.

■ 20.8253, 13.0994,
21.5095

■ 20.8253, 13.0994,
21.5095

249.0979,
211.5537, 272.8434

■ 13.1081, 7.4970,
13.3021

■ 44.2901, 31.4822,
46.8257

■ 7.5805, 3.7748,
7.5037

■ 60.7684, 45.0315,
64.7716

■ 3.8773, 1.5484,
3.6959

■ 80.8977, 61.9985,
86.8006

■ 1.6329, 0.3224,
1.4600

■ 105.0435, 82.7677,
113.3315

■ 0.4137, 0.0000,
0.1879

■ 133.5710,
107.7234, 144.7827

■ 0.0000, 0.0000,
0.0000

166.8457,

137.2500, 181.5727

205.2329,
171.7320, 224.1201

■ 20.8253, 13.0994,
21.5095

■ 20.8253, 13.0994,
21.5095

■ 19.6423, 11.3394,
19.2466

■ 22.3023, 15.4100,
23.9851

■ 18.7277, 10.0799,
17.1856

■ 24.0936, 18.3116,
26.6817

■ 18.0535, 9.2652,
15.3151

■ 26.2190, 21.8430,
29.6080

■ 17.5585, 8.7683,
13.6306

■ 28.6963, 26.0393,
32.7716

■ 31.5420, 30.9327,
36.1799

■ 34.7714, 36.5536,
39.8397

■ 38.3991, 42.9304,
43.7577

■ 42.4389, 50.0900,
47.9400

■ 46.9037, 58.0581,
52.3926

Harmonies

Analogous

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



18.0908, 13.0994, 35.9497



20.8253, 13.0994, 21.5095



21.0521, 13.0994, 10.1670

Triad

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



20.8253, 13.0994, 21.5095



10.9234, 13.0994, 2.0247



7.7994, 13.0994, 33.6757

Complementary

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



20.8253, 13.0994, 21.5095



17.6268, 28.2582, 16.8385

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.



6.5840, 13.0994, 19.3335



20.8253, 13.0994, 21.5095



8.1245, 13.0994, 3.7231

Square

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



20.8253, 13.0994, 21.5095



14.7745, 13.0994, 2.1523



6.6894, 13.0994, 8.8598



10.3841, 13.0994, 45.0864

Rectangle

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



20.8253, 13.0994, 21.5095



19.6966, 13.0994, 5.6894



6.6894, 13.0994, 8.8598



7.2433, 13.0994, 28.7955

Sweetspot

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



20.8257, 13.1001, 21.5097



52.2536, 48.1060, 59.7487



13.8612, 9.1886, 35.6935



11.4357, 10.2914, 13.0493



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.



20.8257, 13.1001, 21.5097



34.6007, 19.4891, 33.2435



18.3726, 12.1188, 8.5919



7.2534, 7.1578, 8.3208



13.6686, 6.8235, 10.7113



0.3088, 0.1520, 0.3386

Inverse Universe

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



20.8257, 13.1001, 21.5097



34.6007, 19.4891, 33.2435



20.7773, 29.5184, 33.4290



7.2534, 7.1578, 8.3208



13.6686, 6.8235, 10.7113



0.3088, 0.1520, 0.3386

Previews

White Background



This preview shows how the XYZ color 20.8253, 13.0994, 21.5095 looks on a white background.

Color Contrast Check

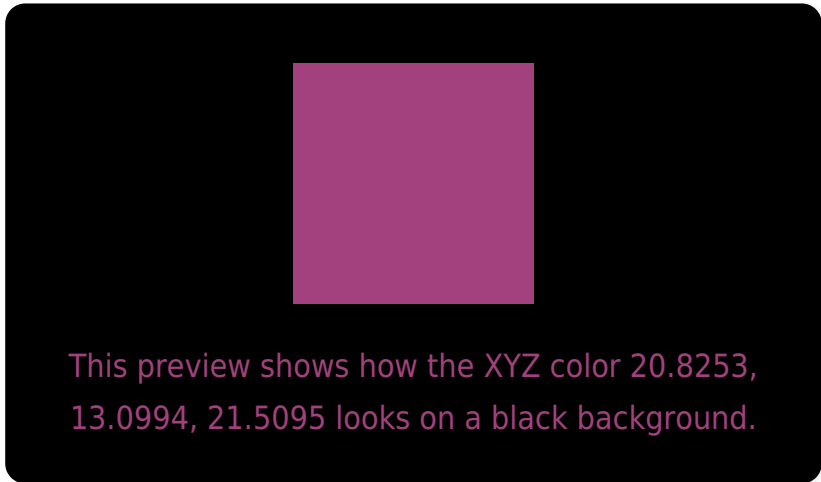
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.8253, 13.0994, 21.5095

Background



This preview shows how black text looks on a background with the XYZ color 20.8253, 13.0994, 21.5095.



This preview shows how white text looks on a background with the XYZ color 20.8253, 13.0994,

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

20.8253, 13.0994, 21.5095

Protanopia

13.9631, 13.2991, 31.9680

Deuteranopia

13.5495, 13.3443, 20.2739



Tritanopia

18.3677, 13.1339, 9.3516

Trichromacy



Original Color

20.8253, 13.0994, 21.5095

Protanomaly

15.2523, 12.3407, 27.9637

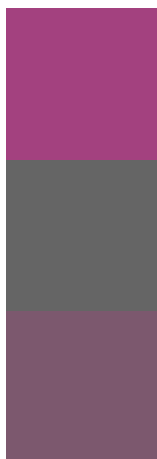
Deuteranomaly

15.3585, 12.5567, 20.6830

Tritanomaly

19.0192, 12.9902, 13.0602

Monochromacy



Original Color

20.8253, 13.0994, 21.5095

Achromatopsia

12.3695, 13.0136, 14.1719

Achromatomaly

14.6164, 12.3903, 16.3731

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.8253, 13.0994, 21.5095 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(163, 65, 127)` looks like.

```
.text, #text, p{  
    color:rgb(163, 65, 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(163, 65, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 65, 127) }
```

Border

The CSS property to change the border of an element to XYZ 20.8253, 13.0994, 21.5095 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(163, 65, 127) }
```


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

```
.border{ border-color:rgb(163, 65, 127) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 65, 127)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 65, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 65, 127);  
box-shadow:4px 4px 4px 4px rgb(163, 65,  
127) }
```

Background

The CSS property to change the background color of an element to XYZ 20.8253, 13.0994, 21.5095 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 65, 127) }
```

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

```
.background{ background-color: rgb(163, 65,  
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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