

Converting Colors

XYZ(20.6310, 14.3654, 21.1292)

Have a look what the booklet for
XYZ(20.6310, 14.3654, 21.1292)
contains.

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Color

**XYZ(20.5982, 14.3417,
21.0846)**

Conversions

Conversions Part 1

Format	Color
Hex	9E4F7D
RGB	158, 79, 125
RGB Percent	62%, 31%, 49%
CMY	0.3804, 0.6902, 0.5098
CMYK	0.00, 0.50, 0.21, 0.38
HSL	325°, 33%, 46%
HSV	325°, 50%, 62%
XYZ	20.5982, 14.3417, 21.0846
YIQ	107.8650, 32.3180, 31.0540

Conversions

Conversions Part 2

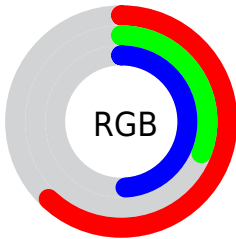
Format	Color
R_{YB}	158, 79, 125
Decimal	10375037
CIE _{Lab}	44.72, 38.61, -11.02
CIE _{LCh}	45, 40.153, 344.070
Yxy	14.3417, 0.3677, 0.2560
Android (android.graphics.Color)	4288565117 (0xFF9E4F7D)
YUV	107.8650, 8.4476, 43.9684
Hunter-Lab	37.8704, 30.8151, -6.5008

Details

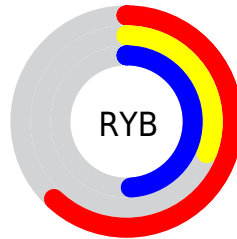
The XYZ color **20.5982, 14.3417, 21.0846** is a dark color, and the websafe version is hex **993366**. A complement of this color would be **18.3766, 27.2863, 19.6287**, and the grayscale version is **14.1872, 14.9261, 16.2545**.

A 20% lighter version of the original color is **43.8837, 33.7431, 46.3196**, and **7.4287, 4.2954, 7.2750** is the 20% darker color. If you saturate the color by 10%, you get **19.1833, 12.1644, 18.6014**, and if you desaturate by 10%, it is **22.3128, 17.0734, 23.8063**.

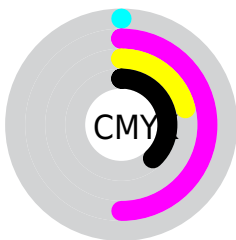
Distribution



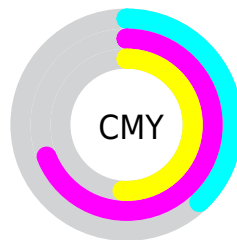
- Red (62%)
- Green (31%)
- Blue (49%)



- Red (62%)
- Yellow (31%)
- Blue (49%)



- Cyan (0%)
- Magenta (50%)
- Yellow (21%)
- Black (38%)



- Cyan (38%)
- Magenta (69%)
- Yellow (51%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.5982, 14.3417, 21.0846 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 20.5982, 14.3417, 21.0846 by changing the saturation by 10% instead.

20.5982, 14.3417,
21.0846

20.5982, 14.3417,
21.0846

247.9077,
219.3463, 270.5236

12.9414, 8.3587,
12.9940

43.9142, 33.6941,
46.1109

7.4649, 4.3253,
7.2937

60.3041, 47.8323,
63.8837

3.8034, 1.8572,
3.5653

80.3358, 65.4577,
85.7210

1.5915, 0.5224,
1.3900

104.3745, 86.9547,
112.0413

0.3869, 0.0000,
0.1339

132.7857,
112.7076, 143.2632

0.0000, 0.0000,
0.0000

165.9348,

143.1010, 179.8051

204.1870,
178.5191, 222.0858

■ 20.5982, 14.3417,
21.0846

■ 20.5982, 14.3417,
21.0846

■ 19.1833, 12.1644,
18.6014

■ 22.3128, 17.0734,
23.8063

■ 18.0469, 10.5000,
16.3464

■ 24.3440, 20.3927,
26.7743

■ 17.1666, 9.3050,
14.3097

■ 26.7088, 24.3327,
29.9968

■ 16.5161, 8.5272,
12.4796

■ 29.4227, 28.9235,
33.4816

■ 16.0324, 8.0419,
10.8322

■ 32.5000, 34.1931,
37.2357

■ 16.0323, 8.0418,
10.8318

■ 35.9543, 40.1679,
41.2661

■ 39.7986, 46.8730,
45.5793

■ 44.0450, 54.3320,
50.1816

■ 48.7052, 62.5678,
55.0792

Harmonies

Analogous

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



18.4774, 14.3417, 32.4101



20.5982, 14.3417, 21.0846



20.6677, 14.3417, 11.6421

Triad

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



20.5982, 14.3417, 21.0846



12.1623, 14.3417, 3.8668



9.6022, 14.3417, 31.7437

Complementary

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



20.5982, 14.3417, 21.0846



18.3766, 27.2863, 19.6287

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.



8.4064, 14.3417, 20.4039



20.5982, 14.3417, 21.0846



9.7167, 14.3417, 5.9366

Square

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



20.5982, 14.3417, 21.0846



15.4268, 14.3417, 3.9266



8.4446, 14.3417, 11.1850



11.9809, 14.3417, 40.0498

Rectangle

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



20.5982, 14.3417, 21.0846



19.5169, 14.3417, 7.5577



8.4446, 14.3417, 11.1850



9.0668, 14.3417, 27.9993

Sweetspot

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



20.5986, 14.3424, 21.0849



50.7408, 47.9594, 57.3908



15.6397, 11.5007, 33.7435



11.2225, 10.4460, 12.6581



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444

Same Dimension

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



20.5986, 14.3424, 21.0849



34.5687, 21.6883, 33.2776



18.5601, 13.5270, 10.3499



6.7868, 6.7077, 7.7286



12.8601, 6.4486, 8.7802



0.2507, 0.1236, 0.2665

Inverse Universe

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



20.5986, 14.3424, 21.0849



34.5687, 21.6883, 33.2776



21.0716, 28.3643, 33.8205



6.7868, 6.7077, 7.7286



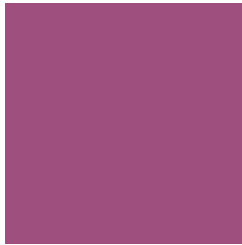
12.8601, 6.4486, 8.7802



0.2507, 0.1236, 0.2665

Previews

White Background



This preview shows how the XYZ color 20.5982, 14.3417, 21.0846 looks on a white background.

Color Contrast Check

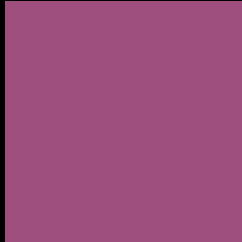
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.5982, 14.3417, 21.0846 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

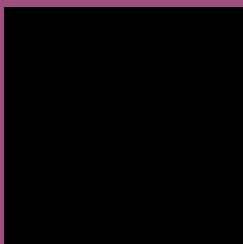
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 20.5982, 14.3417, 21.0846

Background



This preview shows how black text looks on a background with the XYZ color 20.5982, 14.3417, 21.0846.



This preview shows how white text looks on a background with the XYZ color 20.5982, 14.3417,

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

20.5982, 14.3417, 21.0846

Protanopia

14.7288, 14.5192, 28.0128

Deuteranopia

14.8319, 14.5961, 20.1248



Tritanopia

18.7771, 14.3968, 11.9144

Trichromacy



Original Color

20.5982, 14.3417, 21.0846

Protanomaly

16.0980, 13.9949, 25.1454

Deuteranomaly

16.3575, 14.1016, 20.2721

Tritanomaly

19.3022, 14.2539, 14.8306

Monochromacy



Original Color

20.5982, 14.3417, 21.0846

Achromatopsia

14.2537, 14.9960, 16.3306

Achromatomaly

15.9161, 14.1999, 17.8216

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.5982, 14.3417, 21.0846 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(158, 79, 125)` looks like.

```
.text, #text, p{  
    color:rgb(158, 79, 125)  
}
```

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(158, 79, 125) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 79, 125) }
```

Border

The CSS property to change the border of an element to XYZ 20.5982, 14.3417, 21.0846 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(158, 79, 125) }
```


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

```
.border{ border-color:rgb(158, 79, 125) }
```

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

Here you see how a box with a 4 pixel `rgb(158, 79, 125)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 79, 125); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 79, 125);  
box-shadow:4px 4px 4px 4px rgb(158, 79,  
125) }
```

Background

The CSS property to change the background color of an element to XYZ 20.5982, 14.3417, 21.0846 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 79, 125) }
```

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

```
.background{ background-color: rgb(158, 79,  
125) }
```

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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