

Converting Colors

XYZ(20.7958, 12.9869, 21.3058)

Have a look what the booklet for
XYZ(20.7958, 12.9869, 21.3058)
contains.

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Color

**XYZ(20.7035, 12.9597,
21.1489)**

Conversions

Conversions Part 1

Format	Color
Hex	A3407E
RGB	163, 64, 126
RGB Percent	64%, 25%, 49%
CMY	0.3608, 0.7490, 0.5059
CMYK	0.00, 0.61, 0.23, 0.36
HSL	322°, 44%, 45%
HSV	322°, 61%, 64%
XYZ	20.7035, 12.9597, 21.1489
YIQ	100.6690, 39.1020, 40.2700

Conversions

Conversions Part 2

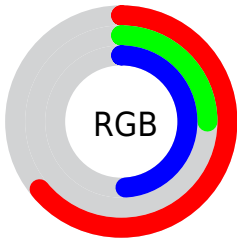
Format	Color
R_{YB}	163, 64, 126
Decimal	10698878
CIE _{Lab}	42.70, 47.81, -14.61
CIE _{LCh}	43, 49.998, 343.004
Yxy	12.9597, 0.3777, 0.2364
Android (android.graphics.Color)	4288888958 (0xFFA3407E)
YUV	100.6690, 12.4882, 54.6643
Hunter-Lab	35.9996, 39.6568, -9.6318

Details

The XYZ color **20.7035, 12.9597, 21.1489** is a dark color, and the websafe version is hex **993366**. A complement of this color would be **17.5612, 28.2243, 16.8356**, and the grayscale version is **12.2468, 12.8846, 14.0314**.

A 20% lighter version of the original color is **44.0132, 31.1929, 46.3489**, and **7.5239, 3.7240, 7.3434** is the 20% darker color. If you saturate the color by 10%, you get **19.5338, 11.2303, 18.8782**, and if you desaturate by 10%, it is **22.1666, 15.2372, 23.6358**.

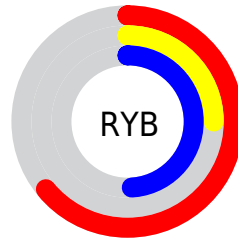
Distribution



Red (64%)

Green (25%)

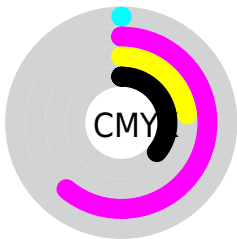
Blue (49%)



Red (64%)

Yellow (25%)

Blue (49%)

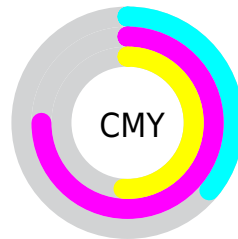


Cyan (0%)

Magenta (61%)

Yellow (23%)

Black (36%)



Cyan (36%)

Magenta (75%)

Yellow (51%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.7035, 12.9597, 21.1489 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 20.7035, 12.9597, 21.1489 by changing the saturation by 10% instead.

■ 20.7035, 12.9597,
21.1489

■ 20.7035, 12.9597,
21.1489

248.4602,
210.6592, 270.8758

■ 13.0187, 7.4008,
13.0406

■ 44.0886, 31.2314,
46.2192

■ 7.5185, 3.7140,
7.3254

■ 60.5195, 44.7129,
64.0183

■ 3.8376, 1.5149,
3.5849

■ 80.5965, 61.6042,
85.8847

■ 1.6107, 0.2992,
1.4005

■ 104.6849, 82.2894,
112.2370

■ 0.3994, 0.0000,
0.1421

■ 133.1502,
107.1532, 143.4937

■ 0.0000, 0.0000,
0.0000

166.3576,

136.5798, 180.0734

204.6724,
170.9537, 222.3946

■ 20.7035, 12.9597,
21.1489

■ 20.7035, 12.9597,
21.1489

■ 19.5338, 11.2303,
18.8782

■ 22.1666, 15.2372,
23.6358

■ 18.6317, 9.9986,
16.8126

■ 23.9435, 18.1036,
26.3473

■ 17.9687, 9.2080,
14.9406

■ 26.0541, 21.5979,
29.2923

■ 17.5064, 8.7474,
13.3563

■ 28.5165, 25.7553,
32.4786

■ 31.3470, 30.6082,
35.9136

■ 34.5613, 36.1872,
39.6043

■ 38.1739, 42.5207,
43.5574

■ 42.1987, 49.6359,
47.7793

■ 46.6486, 57.5583,
52.2761

Harmonies

Analogous

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



17.9994, 12.9597, 35.5944



20.7035, 12.9597, 21.1489



20.8902, 12.9597, 9.9090

Triad

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



20.7035, 12.9597, 21.1489



10.7467, 12.9597, 1.9690



7.7123, 12.9597, 33.7193

Complementary

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



20.7035, 12.9597, 21.1489



17.5612, 28.2243, 16.8356

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.



6.4850, 12.9597, 19.3589



20.7035, 12.9597, 21.1489



7.9786, 12.9597, 3.6772

Square

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



20.7035, 12.9597, 21.1489



14.5779, 12.9597, 2.0721



6.5712, 12.9597, 8.8383



10.3043, 12.9597, 45.0454

Rectangle

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



20.7035, 12.9597, 21.1489



19.5123, 12.9597, 5.5102



6.5712, 12.9597, 8.8383



7.1529, 12.9597, 28.8415

Sweetspot

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



20.7039, 12.9603, 21.1491



52.2256, 48.0948, 59.6012



13.7338, 9.0385, 35.6711



11.4285, 10.2886, 13.0116



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.



20.7039, 12.9603, 21.1491



34.3456, 19.2156, 32.4283



18.2848, 11.9927, 8.4103



7.2515, 7.1571, 8.3108



13.6282, 6.8073, 10.4987



0.3081, 0.1517, 0.3351

Inverse Universe

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



20.7039, 12.9603, 21.1491



34.3456, 19.2156, 32.4283



20.7009, 29.4802, 33.3693



7.2515, 7.1571, 8.3108



13.6282, 6.8073, 10.4987



0.3081, 0.1517, 0.3351

Previews

White Background



This preview shows how the XYZ color 20.7035, 12.9597, 21.1489 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 20.7035, 12.9597, 21.1489 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 20.7035, 12.9597, 21.1489

Background



This preview shows how black text looks on a background with the XYZ color 20.7035, 12.9597, 21.1489.



This preview shows how white text looks on a background with the XYZ color 20.7035, 12.9597,

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

20.7035, 12.9597, 21.1489

Protanopia

13.8742, 13.2533, 31.9639

Deuteranopia

13.3925, 13.1289, 19.9174



Tritanopia

18.2621, 12.9823, 9.1327

Trichromacy



Original Color

20.7035, 12.9597, 21.1489

Protanomaly

15.0482, 12.2443, 27.5569

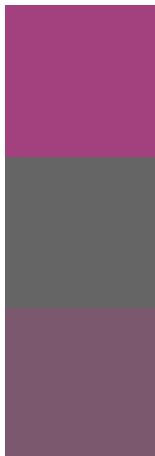
Deuteranomaly

15.2151, 12.3707, 20.3248

Tritanomaly

18.9081, 12.8431, 12.7917

Monochromacy



Original Color

20.7035, 12.9597, 21.1489

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 20.7035, 12.9597, 21.1489 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, 64, 126)` looks like.

```
.text, #text, p{  
    color:rgb(163, 64, 126)  
}
```

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, 64, 126) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 64, 126) }
```

Border

The CSS property to change the border of an element to XYZ 20.7035, 12.9597, 21.1489 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, 64, 126) }
```


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

```
.border{ border-color:rgb(163, 64, 126) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 64, 126)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 64, 126); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 64, 126);  
box-shadow:4px 4px 4px 4px rgb(163, 64,  
126) }
```

Background

The CSS property to change the background color of an element to XYZ 20.7035, 12.9597, 21.1489 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 64, 126) }
```

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

```
.background{ background-color: rgb(163, 64,  
126) }
```

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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