

Converting Colors

XYZ(20.8041, 12.3133, 42.3286)

Have a look what the booklet for
XYZ(20.8041, 12.3133, 42.3286)
contains.

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Color

**XYZ(20.8329, 12.3117,
42.3527)**

Conversions

Conversions Part 1

Format	Color
Hex	8F3DB0
RGB	143, 61, 176
RGB Percent	56%, 24%, 69%
CMY	0.4392, 0.7608, 0.3098
CMYK	0.19, 0.65, 0.00, 0.31
HSL	283°, 49%, 46%
HSV	283°, 65%, 69%
XYZ	20.8329, 12.3117, 42.3527
YIQ	98.6280, 11.9570, 53.1490

Conversions

Conversions Part 2

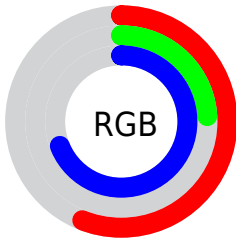
Format	Color
R_{YB}	143, 61, 176
Decimal	9387440
CIE _{Lab}	41.71, 52.73, -46.50
CIE _{LCh}	42, 70.303, 318.592
Yxy	12.3117, 0.2759, 0.1631
Android (android.graphics.Color)	4287577520 (0xFF8F3DB0)
YUV	98.6280, 38.1444, 38.9142
Hunter-Lab	35.0880, 44.5772, -47.0038

Details

The XYZ color **20.8329, 12.3117, 42.3527** is a dark color, and the websafe version is hex **993399**. A complement of this color would be **20.9840, 33.7676, 9.8271**, and the grayscale version is **11.6721, 12.2800, 13.3729**.

A 20% lighter version of the original color is **44.4022, 30.1402, 79.8213**, and **7.6950, 3.5539, 19.0193** is the 20% darker color. If you saturate the color by 10%, you get **19.1883, 10.2909, 42.0495**, and if you desaturate by 10%, it is **22.8261, 14.9702, 42.7610**.

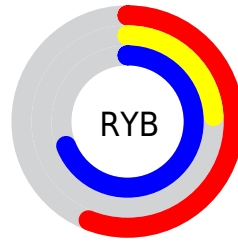
Distribution



Red (56%)

Green (24%)

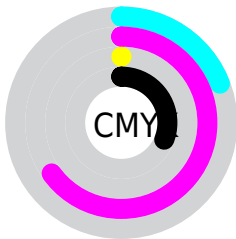
Blue (69%)



Red (56%)

Yellow (24%)

Blue (69%)

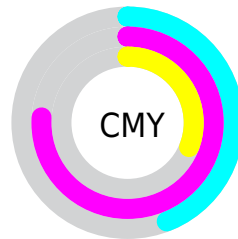


Cyan (19%)

Magenta (65%)

Yellow (0%)

Black (31%)



Cyan (44%)


Magenta (76%)


Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 20.8329, 12.3117, 42.3527 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 20.8329, 12.3117, 42.3527 by changing the saturation by 10% instead.


 20.8329, 12.3117,
42.3527


 20.8329, 12.3117,
42.3527

249.1377,
206.4580, 371.7856


 13.1137, 6.9563,
29.0499


 44.3026, 30.0615,
80.0090

 7.5844, 3.4348,
18.8727

 60.7839, 43.2248,
105.1996


 3.8797, 1.3627,
11.4024


 80.9165, 59.7595,
135.1899

 1.6343, 0.1890,
6.2206

 105.0658, 80.0500,
170.3984

 0.4146, 0.0000,
2.9088

 133.5973,
104.4807, 211.2437

 0.0000, 0.0000,
1.0482

166.8761,

 0.0000, 0.0000,

133.4360, 258.1443

0.0000

205.2678,
167.3003, 311.5188

■ 20.8329, 12.3117,
42.3527

■ 20.8329, 12.3117,
42.3527

■ 19.1883, 10.2909,
42.0495

■ 22.8261, 14.9702,
42.7610

■ 17.8588, 8.8432,
41.8402

■ 25.1942, 18.3197,
43.2827

■ 16.8052, 7.8903,
41.7118

■ 27.9623, 22.4094,
43.9262

■ 16.3667, 7.5321,
41.6657

■ 31.1529, 27.2837,
44.6989

■ 34.7869, 32.9831,
45.6074

■ 38.8835, 39.5457,
46.6582

■ 43.4607, 47.0070,
47.8572

■ 48.5357, 55.4003,
49.2098

■ 54.1246, 64.7575,
50.7213

Harmonies

Analogous

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



15.1591, 12.3117, 62.4037



20.8329, 12.3117, 42.3527



24.3717, 12.3117, 19.8478

Triad

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



20.8329, 12.3117, 42.3527



13.7761, 12.3117, 0.2094



4.5919, 12.3117, 24.6600

Complementary

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



20.8329, 12.3117, 42.3527



20.9840, 33.7676, 9.8271

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.



4.4215, 12.3117, 8.5338



20.8329, 12.3117, 42.3527



8.8149, 12.3117, 0.3688

Square

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



20.8329, 12.3117, 42.3527



19.5679, 12.3117, 1.3921



5.7261, 12.3117, 2.0258



6.2896, 12.3117, 48.0091

Rectangle

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



20.8329, 12.3117, 42.3527



24.5100, 12.3117, 9.5922



5.7261, 12.3117, 2.0258



4.3774, 12.3117, 18.1149

Sweetspot

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



20.8334, 12.3122, 42.3530



59.6865, 54.4492, 81.8592



13.8987, 12.4020, 42.7358



12.5504, 11.1988, 17.6444



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



20.8334, 12.3122, 42.3530



33.7651, 17.4892, 76.0914



25.3233, 14.8679, 31.6725



8.6077, 8.5218, 10.6975



12.0683, 5.5572, 30.5736



0.4338, 0.2027, 0.9645

Inverse Universe

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



21.5939, 13.3761, 12.0337



36.0257, 20.0202, 14.4987



19.0504, 32.6832, 13.6924



8.5933, 8.5440, 9.3568



13.5897, 6.9534, 2.9993



0.4534, 0.2291, 0.2304

Previews

White Background



This preview shows how the XYZ color 20.8329, 12.3117, 42.3527 looks on a white background.

Color Contrast Check

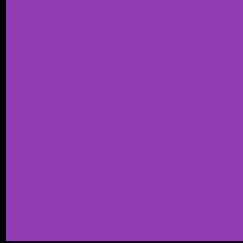
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.8329, 12.3117, 42.3527 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

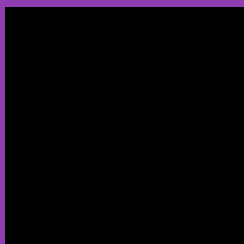
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 20.8329, 12.3117, 42.3527

Background



This preview shows how black text looks on a background with the XYZ color 20.8329, 12.3117, 42.3527.



This preview shows how white text looks on a background with the XYZ color 20.8329, 12.3117,

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

20.8329, 12.3117, 42.3527

Protanopia

14.8717, 12.4962, 58.1281

Deuteranopia

12.8909, 12.5833, 39.2855



Tritanopia

14.6636, 12.2712, 11.9516

Trichromacy



Original Color

20.8329, 12.3117, 42.3527



Protanomaly

14.1351, 10.7668, 51.7853



Deuteranomaly

14.2539, 11.4280, 40.4843



Tritanomaly

16.2207, 11.8887, 20.1787

Monochromacy



Original Color

20.8329, 12.3117, 42.3527



Achromatopsia

11.8596, 12.4772, 13.5877



Achromatomaly

14.1495, 11.6741, 21.5862

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.8329, 12.3117, 42.3527 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(143, 61, 176)` looks like.

```
.text, #text, p{  
    color:rgb(143, 61, 176)  
}
```

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(143, 61, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(143, 61, 176) }
```

Border

The CSS property to change the border of an element to XYZ 20.8329, 12.3117, 42.3527 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(143, 61, 176) }
```


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

```
.border{ border-color:rgb(143, 61, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(143, 61, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(143, 61, 176); -webkit-box-shadow:4px 4px 4px 4px rgb(143, 61, 176); box-shadow:4px 4px 4px 4px rgb(143, 61, 176) }
```

Background

The CSS property to change the background color of an element to XYZ 20.8329, 12.3117, 42.3527 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(143, 61, 176) }
```

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

```
.background{ background-color: rgb(143, 61,  
176) }
```

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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