

Converting Colors

XYZ(20.6842, 11.4907, 9.1596)

Have a look what the booklet for
XYZ(20.6842, 11.4907, 9.1596)
contains.

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Color

**XYZ(20.5447, 11.3973,
9.0997)**

Conversions

Conversions Part 1

Format	Color
Hex	B22552
RGB	178, 37, 82
RGB Percent	70%, 15%, 32%
CMY	0.3020, 0.8549, 0.6784
CMYK	0.00, 0.79, 0.54, 0.30
HSL	341°, 66%, 42%
HSV	341°, 79%, 70%
XYZ	20.5447, 11.3973, 9.0997
YIQ	84.2890, 69.5910, 43.8870

Conversions

Conversions Part 2

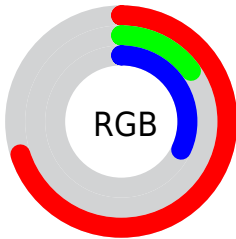
Format	Color
R_{YB}	178, 37, 82
Decimal	11674962
CIE _{Lab}	40.24, 57.65, 9.53
CIE _{LCh}	40, 58.431, 9.383
Yxy	11.3973, 0.5006, 0.2777
Android (android.graphics.Color)	4289865042 (0xFFB22552)
YUV	84.2890, -1.1285, 82.1845
Hunter-Lab	33.7599, 49.5470, 7.6508

Details

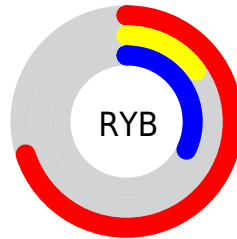
The XYZ color **20.5447, 11.3973, 9.0997** is a dark color, and the websafe version is hex **CC3366**. A complement of this color would be **20.9181, 33.9280, 27.6403**, and the grayscale version is **8.4797, 8.9213, 9.7153**.

A 20% lighter version of the original color is **43.8762, 28.3552, 24.6333**, and **7.9576, 4.0619, 2.1983** is the 20% darker color. If you saturate the color by 10%, you get **19.6983, 10.3786, 6.7396**, and if you desaturate by 10%, it is **21.7431, 12.9897, 11.9793**.

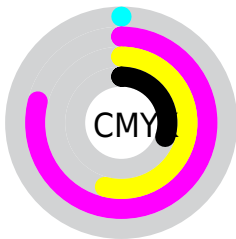
Distribution



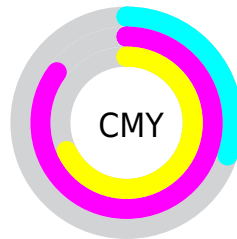
- Red (70%)
- Green (15%)
- Blue (32%)



- Red (70%)
- Yellow (15%)
- Blue (32%)



- Cyan (0%)
- Magenta (79%)
- Yellow (54%)
- Black (30%)





- Cyan (30%)
- Magenta (85%)
- Yellow (68%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.5447, 11.3973, 9.0997 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 20.5447, 11.3973, 9.0997 by changing the saturation by 10% instead.

 20.5447, 11.3973,
9.0997


 20.5447, 11.3973,
9.0997


247.6266,
200.3733, 194.3653


 12.9022, 6.3347,
4.7086


 43.8256, 28.3925,
24.6685


 7.4377, 3.0497,
2.0216


 60.1946, 41.0940,
36.6833


 3.7861, 1.1577,
0.5685

 80.2032, 57.1105,
52.0764

 1.5818, 0.0268,
0.0000

 104.2166, 76.8266,
71.2664

 0.3805, 0.0000,
0.0000

 132.6004,
100.6265, 94.6717

 0.0000, 0.0000,
0.0000

 165.7197,

128.8946, 122.7109

203.9400,
162.0155, 155.8026

■ 20.5447, 11.3973,
9.0997

■ 20.5447, 11.3973,
9.0997

■ 19.6983, 10.3786,
6.7396

■ 21.7431, 12.9897,
11.9793

■ 19.1330, 9.7986,
4.8540

■ 23.3312, 15.2246,
15.4102

■ 19.0936, 9.7584,
4.7220

■ 25.3425, 18.1633,
19.4222

■ 27.8065, 21.8592,
24.0422

■ 30.7500, 26.3604,
29.2955

■ 34.1976, 31.7113,
35.2058

■ 38.1722, 37.9527,
41.7956

■ 42.6953, 45.1230,
49.0862

■ 47.7870, 53.2583,
57.0978

Harmonies

Analogous

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



19.9427, 11.3973, 22.1034



20.5447, 11.3973, 9.0997



18.0852, 11.3973, 2.9242

Triad

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



20.5447, 11.3973, 9.0997



6.5840, 11.3973, 1.8924



8.3021, 11.3973, 47.4750

Complementary

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



20.5447, 11.3973, 9.0997



20.9181, 33.9280, 27.6403

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.



5.8363, 11.3973, 32.7800



20.5447, 11.3973, 9.0997



5.0309, 11.3973, 6.0680

Square

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



20.5447, 11.3973, 9.0997



9.6052, 11.3973, 0.8203



4.7966, 11.3973, 16.4384



12.1608, 11.3973, 50.3096

Rectangle

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



20.5447, 11.3973, 9.0997



15.3319, 11.3973, 1.3846



4.7966, 11.3973, 16.4384



7.3131, 11.3973, 43.4584

Sweetspot

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



20.5450, 11.3980, 9.0999



58.6427, 52.2563, 58.1108



18.0584, 9.3637, 42.9751



12.5180, 10.8433, 12.0553



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



20.5450, 11.3980, 9.0999



34.9426, 18.0260, 9.6098



20.3368, 12.8839, 3.1661



8.6044, 8.5485, 9.4152



13.6875, 6.9926, 3.5144



0.4579, 0.2309, 0.2541

Inverse Universe

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



20.5450, 11.3980, 9.0999



34.9426, 18.0260, 9.6098



20.4378, 26.8850, 46.2316



8.6044, 8.5485, 9.4152



13.6875, 6.9926, 3.5144



0.4579, 0.2309, 0.2541

Previews

White Background



This preview shows how the XYZ color 20.5447, 11.3973, 9.0997 looks on a white background.

Color Contrast Check

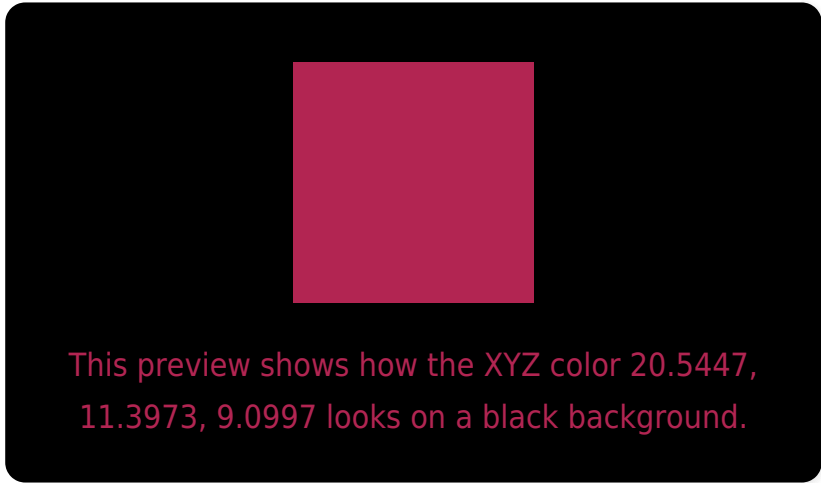
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.5447, 11.3973, 9.0997

Background



This preview shows how black text looks on a background with the XYZ color 20.5447, 11.3973, 9.0997.



This preview shows how white text looks on a background with the XYZ color 20.5447, 11.3973,

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

20.5447, 11.3973, 9.0997

Protanopia

11.5310, 11.6814, 16.9762

Deuteranopia

11.7792, 11.6070, 8.2762



Tritanopia

19.4150, 11.3975, 3.9730

Trichromacy



Original Color

20.5447, 11.3973, 9.0997

Protanomaly

13.1099, 10.1222, 13.5747

Deuteranomaly

13.8459, 10.4190, 8.4890

Tritanomaly

19.8109, 11.4011, 5.4314

Monochromacy



Original Color

20.5447, 11.3973, 9.0997

Achromatopsia

8.4267, 8.8656, 9.6546

Achromatomaly

11.0397, 8.4904, 9.2406

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.5447, 11.3973, 9.0997 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(178, 37, 82)` looks like.

```
.text, #text, p{  
    color:rgb(178, 37, 82)  
}
```

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(178, 37, 82) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 37, 82) }
```

Border

The CSS property to change the border of an element to XYZ 20.5447, 11.3973, 9.0997 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(178, 37, 82) }
```


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

```
.border{ border-color:rgb(178, 37, 82) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 37, 82)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 37, 82); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 37, 82);  
box-shadow:4px 4px 4px 4px rgb(178, 37,  
82) }
```

Background

The CSS property to change the background color of an element to XYZ 20.5447, 11.3973, 9.0997 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 37, 82) }
```

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

```
.background{ background-color: rgb(178, 37,  
82) }
```

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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