

Converting Colors

XYZ(21.8944, 12.6816, 11.0618)

Have a look what the booklet for
XYZ(21.8944, 12.6816, 11.0618)
contains.

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Color

**XYZ(21.9998, 12.7586,
10.9760)**

Conversions

Conversions Part 1

Format	Color
Hex	B5315A
RGB	181, 49, 90
RGB Percent	71%, 19%, 35%
CMY	0.2902, 0.8078, 0.6471
CMYK	0.00, 0.73, 0.50, 0.29
HSL	341°, 57%, 45%
HSV	341°, 73%, 71%
XYZ	21.9998, 12.7586, 10.9760
YIQ	93.1420, 65.5110, 40.7350

Conversions

Conversions Part 2

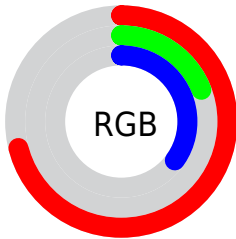
Format	Color
R_{YB}	181, 49, 90
Decimal	11874650
CIE _{Lab}	42.40, 55.28, 7.60
CIE _{LCh}	42, 55.802, 7.832
Yxy	12.7586, 0.4810, 0.2790
Android (android.graphics.Color)	4290064730 (0xFFB5315A)
YUV	93.1420, -1.5490, 77.0515
Hunter-Lab	35.7192, 47.4314, 6.7844

Details

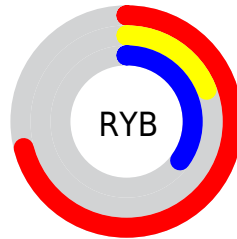
The XYZ color **21.9998, 12.7586, 10.9760** is a dark color, and the websafe version is hex **CC3366**. A complement of this color would be **22.5251, 35.5944, 30.4976**, and the grayscale version is **10.4313, 10.9746, 11.9513**.

A 20% lighter version of the original color is **46.1633, 30.9023, 28.3426**, and **8.4997, 4.3270, 2.8698** is the 20% darker color. If you saturate the color by 10%, you get **20.9016, 11.3422, 8.2057**, and if you desaturate by 10%, it is **23.4917, 14.8199, 14.3177**.

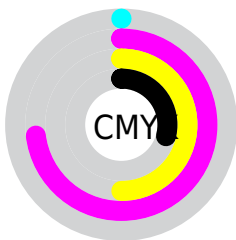
Distribution



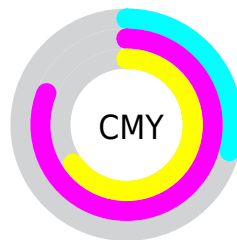
- Red (71%)
- Green (19%)
- Blue (35%)



- Red (71%)
- Yellow (19%)
- Blue (35%)



- Cyan (0%)
- Magenta (73%)
- Yellow (50%)
- Black (29%)





- Cyan (29%)
- Magenta (81%)
- Yellow (65%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.9998, 12.7586, 10.9760 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 21.9998, 12.7586, 10.9760 by changing the saturation by 10% instead.


 21.9998, 12.7586,
10.9760


 21.9998, 12.7586,
10.9760


255.1776,
209.3647, 208.2343


 13.9734, 7.2625,
5.9367


 46.2245, 30.8694,
28.2518


 8.1837, 3.6268,
2.7385

 63.1535, 44.2529,
41.3253


 4.2655, 1.4671,
0.9627


 83.7807, 61.0344,
57.9141

 1.8534, 0.2654,
0.0000

 108.4715, 81.5982,
78.4365

 0.5495, 0.0000,
0.0000

 137.5912,
106.3288, 103.3112

 0.0000, 0.0000,
0.0000

 171.5053,

135.6104, 132.9567

210.5789,
169.8276, 167.7916

■ 21.9998, 12.7586,
10.9760

■ 21.9998, 12.7586,
10.9760

■ 20.9016, 11.3422,
8.2057

■ 23.4917, 14.8199,
14.3177

■ 20.1528, 10.4889,
5.9699

■ 25.4131, 17.5906,
18.2629

■ 19.7749, 10.1113,
4.6779

■ 27.7963, 21.1296,
22.8417

■ 30.6706, 25.4891,
28.0818

■ 34.0624, 30.7168,
34.0091

■ 37.9963, 36.8564,
40.6483

■ 42.4953, 43.9489,
48.0225

■ 47.5811, 52.0327,
56.1540

■ 53.2741, 61.1443,
65.0639

Harmonies

Analogous

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



21.2340, 12.7586, 24.5568



21.9998, 12.7586, 10.9760



19.6770, 12.7586, 3.9950

Triad

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



21.9998, 12.7586, 10.9760



7.8220, 12.7586, 2.4694



9.3310, 12.7586, 48.1400

Complementary

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



21.9998, 12.7586, 10.9760



22.5251, 35.5944, 30.4976

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.



6.8070, 12.7586, 33.4209



21.9998, 12.7586, 10.9760



6.0862, 12.7586, 6.8722

Square

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



21.9998, 12.7586, 10.9760



11.0605, 12.7586, 1.2739



5.7631, 12.7586, 17.2834



13.2593, 12.7586, 51.6377

Rectangle

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



21.9998, 12.7586, 10.9760



16.9473, 12.7586, 2.0781



5.7631, 12.7586, 17.2834



8.3197, 12.7586, 44.0518

Sweetspot

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



22.0001, 12.7593, 10.9762



61.3708, 55.5805, 61.5365



20.1205, 11.0400, 44.7863



12.8926, 11.4367, 12.6604



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.



22.0001, 12.7593, 10.9762



36.4913, 19.2093, 11.9708



22.0067, 14.8380, 4.6109



8.6014, 8.5473, 9.3997



13.6604, 6.9817, 3.3718



0.4567, 0.2304, 0.2478

Inverse Universe

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



22.0001, 12.7593, 10.9762



36.4913, 19.2093, 11.9708



21.6309, 28.0362, 47.9872



8.6014, 8.5473, 9.3997



13.6604, 6.9817, 3.3718



0.4567, 0.2304, 0.2478

Previews

White Background



This preview shows how the XYZ color 21.9998, 12.7586, 10.9760 looks on a white background.

Color Contrast Check

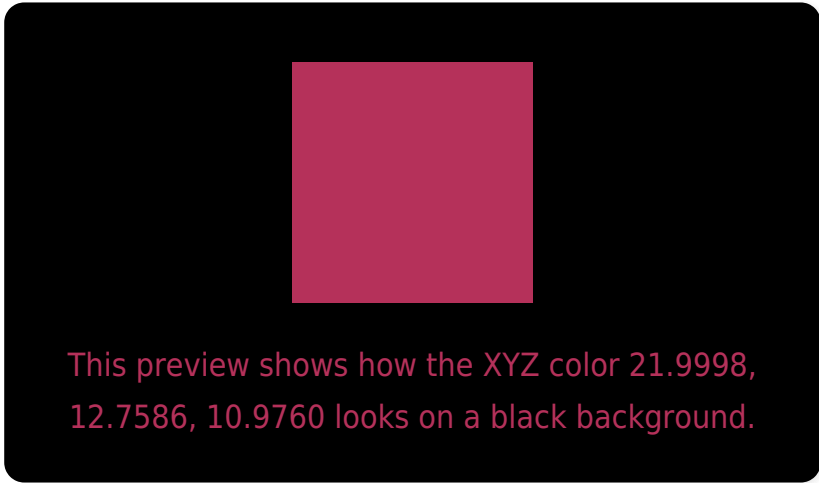
Large Text (above 18pt) WCAG AA ✓ Pass

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

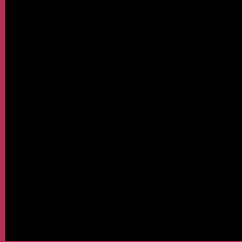
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 21.9998, 12.7586, 10.9760

Background



This preview shows how black text looks on a background with the XYZ color 21.9998, 12.7586, 10.9760.

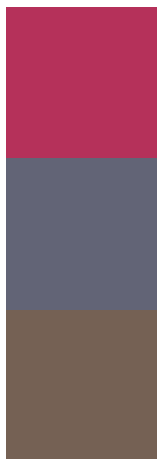


This preview shows how white text looks on a background with the XYZ color 21.9998, 12.7586,

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

21.9998, 12.7586, 10.9760

Protanopia

12.8642, 13.0190, 18.9744

Deuteranopia

13.2110, 12.9714, 10.1949



Tritanopia

20.7940, 12.7278, 5.4984

Trichromacy



Original Color

21.9998, 12.7586, 10.9760

Protanomaly

14.5513, 11.5568, 15.6511

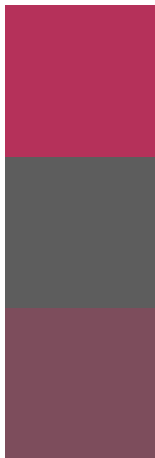
Deuteranomaly

15.3636, 11.9847, 10.3076

Tritanomaly

21.2010, 12.6917, 7.1267

Monochromacy



Original Color

21.9998, 12.7586, 10.9760

Achromatopsia

10.4043, 10.9462, 11.9204

Achromatomaly

13.0431, 10.4404, 11.4530

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.9998, 12.7586, 10.9760 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(181, 49, 90)` looks like.

```
.text, #text, p{  
    color:rgb(181, 49, 90)  
}
```

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(181, 49, 90) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 49, 90) }
```

Border

The CSS property to change the border of an element to XYZ 21.9998, 12.7586, 10.9760 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(181, 49, 90) }
```


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

```
.border{ border-color:rgb(181, 49, 90) }
```

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

Here you see how a box with a 4 pixel rgb(181, 49, 90) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 49, 90); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 49, 90);  
box-shadow:4px 4px 4px 4px rgb(181, 49,  
90) }
```

Background

The CSS property to change the background color of an element to XYZ 21.9998, 12.7586, 10.9760 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 49, 90) }
```

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

```
.background{ background-color: rgb(181, 49,  
90) }
```

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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