

Converting Colors

XYZ(20.7585, 12.0771, 12.7923)

Have a look what the booklet for
XYZ(20.7585, 12.0771, 12.7923)
contains.

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Color

**XYZ(20.7585, 12.0771,
12.7923)**

Conversions

Conversions Part 1

Format	Color
Hex	AE3162
RGB	174, 49, 98
RGB Percent	68%, 19%, 38%
CMY	0.3176, 0.8078, 0.6157
CMYK	0.00, 0.72, 0.44, 0.32
HSL	336°, 56%, 44%
HSV	336°, 72%, 68%
XYZ	20.7585, 12.0771, 12.7923
YIQ	91.9610, 58.7710, 41.7390

Conversions

Conversions Part 2

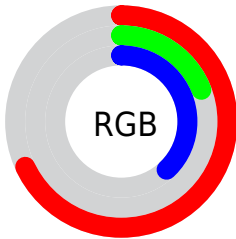
Format	Color
RYB	174, 49, 98
Decimal	11415906
CIELab	41.34, 53.96, 0.90
CIELCh	41, 53.967, 0.960
Yxy	12.0771, 0.4550, 0.2647
Android (android.graphics.Color)	4289605986 (0xFFAE3162)
YUV	91.9610, 2.9772, 71.9482
Hunter-Lab	34.7521, 45.8073, 2.5018

Details

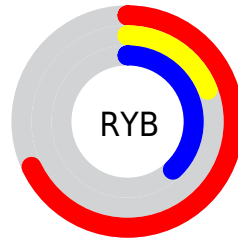
The XYZ color **20.7585, 12.0771, 12.7923** is a dark color, and the websafe version is hex **993366**. A complement of this color would be **20.1052, 32.4061, 24.5997**, and the grayscale version is **10.1482, 10.6767, 11.6270**.

A 20% lighter version of the original color is **44.0011, 29.5649, 31.4045**, and **7.8223, 3.9609, 3.6011** is the 20% darker color. If you saturate the color by 10%, you get **19.6991, 10.7057, 10.1353**, and if you desaturate by 10%, it is **22.1654, 14.0380, 15.8911**.

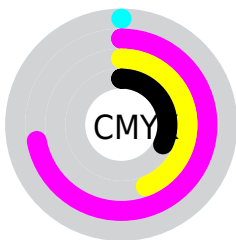
Distribution



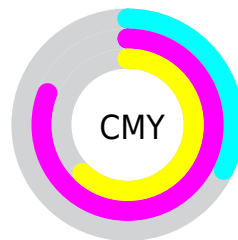
- Red (68%)
- Green (19%)
- Blue (38%)



- Red (68%)
- Yellow (19%)
- Blue (38%)



- Cyan (0%)
- Magenta (72%)
- Yellow (44%)
- Black (32%)





- Cyan (32%)
- Magenta (81%)
- Yellow (62%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.7585, 12.0771, 12.7923 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 20.7585, 12.0771, 12.7923 by changing the saturation by 10% instead.


 20.7585, 12.0771,
12.7923


 20.7585, 12.0771,
12.7923


248.7483,
204.9150, 220.7431


 13.0590, 6.7962,
7.1566


 44.1796, 29.6354,
31.6158


 7.5465, 3.3350,
3.4803


 60.6319, 42.6817,
45.6408


 3.8555, 1.3090,
1.3448

 80.7326, 59.0852,
63.2992

 1.6207, 0.1482,
0.0981

 104.8469, 79.2303,
85.0098

 0.4059, 0.0000,
0.0000

 133.3403,
103.5015, 111.1909

 0.0000, 0.0000,
0.0000

 166.5781,

132.2830, 142.2611

204.9257,
165.9594, 178.6390

■ 20.7585, 12.0771,
12.7923

■ 20.7585, 12.0771,
12.7923

■ 19.6991, 10.7057,
10.1353

■ 22.1654, 14.0380,
15.8911

■ 18.9494, 9.8519,
7.8946

■ 23.9504, 16.6452,
19.4537

■ 18.5052, 9.4185,
6.3439

■ 26.1412, 19.9511,
23.5008

■ 28.7630, 24.0019,
28.0515

■ 31.8385, 28.8402,
33.1239

■ 35.3890, 34.5049,
38.7350

■ 39.4342, 41.0326,
44.9010

■ 43.9928, 48.4577,
51.6374

■ 49.0825, 56.8125,
58.9589

Harmonies

Analogous

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



19.3882, 12.0771, 26.6185



20.7585, 12.0771, 12.7923



19.2100, 12.0771, 4.8911

Triad

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



20.7585, 12.0771, 12.7923



8.0288, 12.0771, 1.9786



8.2020, 12.0771, 42.3940

Complementary

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



20.7585, 12.0771, 12.7923



20.1052, 32.4061, 24.5997

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.



6.1627, 12.0771, 27.6314



20.7585, 12.0771, 12.7923



6.0799, 12.0771, 5.2216

Square

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



20.7585, 12.0771, 12.7923



11.3534, 12.0771, 1.2319



5.4824, 12.0771, 13.5141



11.6054, 12.0771, 48.5740

Rectangle

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



20.7585, 12.0771, 12.7923



16.8965, 12.0771, 2.5129



5.4824, 12.0771, 13.5141



7.3642, 12.0771, 37.9716

Sweetspot

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



20.7588, 12.0778, 12.7925



57.4204, 51.7879, 59.5479



17.0512, 9.5385, 40.9869



12.4187, 10.9673, 12.6764



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.



20.7588, 12.0778, 12.7925



34.8947, 18.4322, 15.9831



19.7060, 12.6123, 4.3023



8.1304, 8.0654, 8.9973



13.4493, 6.8423, 4.7456



0.4015, 0.2013, 0.2760

Inverse Universe

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



20.7588, 12.0778, 12.7925



34.8947, 18.4322, 15.9831



21.7395, 29.3743, 44.5685



8.1304, 8.0654, 8.9973



13.4493, 6.8423, 4.7456



0.4015, 0.2013, 0.2760

Previews

White Background



This preview shows how the XYZ color 20.7585, 12.0771, 12.7923 looks on a white background.

Color Contrast Check

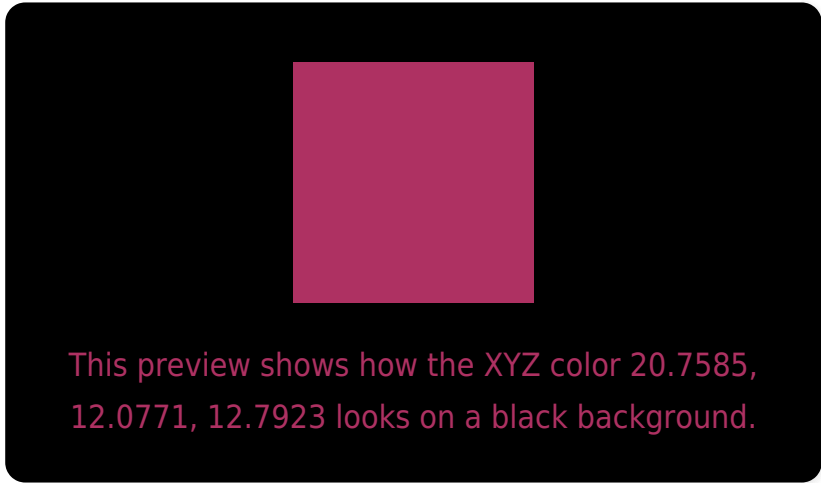
Large Text (above 18pt) WCAG AA ✓ Pass

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

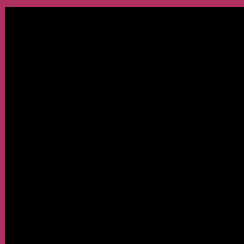
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 20.7585, 12.0771, 12.7923

Background



This preview shows how black text looks on a background with the XYZ color 20.7585, 12.0771, 12.7923.



This preview shows how white text looks on a background with the XYZ color 20.7585, 12.0771,

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

20.7585, 12.0771, 12.7923

Protanopia

12.4198, 12.3058, 21.7993

Deuteranopia

12.4544, 12.2721, 11.8376



Tritanopia

19.3686, 12.1337, 5.7361

Trichromacy



Original Color

20.7585, 12.0771, 12.7923

Protanomaly

13.9062, 11.0632, 17.9255

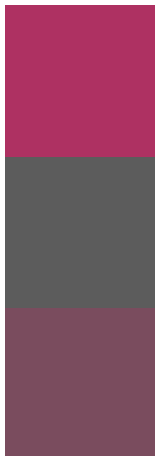
Deuteranomaly

14.4176, 11.2435, 12.0000

Tritanomaly

19.8358, 12.1110, 7.7708

Monochromacy



Original Color

20.7585, 12.0771, 12.7923

Achromatopsia

10.1725, 10.7023, 11.6548

Achromatomaly

12.6309, 10.1146, 11.8763

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.7585, 12.0771, 12.7923 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(174, 49, 98)` looks like.

```
.text, #text, p{  
    color:rgb(174, 49, 98)  
}
```

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(174, 49, 98) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 49, 98) }
```

Border

The CSS property to change the border of an element to XYZ 20.7585, 12.0771, 12.7923 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(174, 49, 98) }
```


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

```
.border{ border-color:rgb(174, 49, 98) }
```

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

Here you see how a box with a 4 pixel `rgb(174, 49, 98)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 49, 98); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 49, 98);  
box-shadow:4px 4px 4px 4px rgb(174, 49,  
98) }
```

Background

The CSS property to change the background color of an element to XYZ 20.7585, 12.0771, 12.7923 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 49, 98) }
```

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

```
.background{ background-color: rgb(174, 49,  
98) }
```

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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