

Converting Colors

XYZ(20.7597, 13.6647, 12.2984)

Have a look what the booklet for
XYZ(20.7597, 13.6647, 12.2984)
contains.

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Color

**XYZ(20.7712, 13.6285,
12.3623)**

Conversions

Conversions Part 1

Format	Color
Hex	AA455F
RGB	170, 69, 95
RGB Percent	67%, 27%, 37%
CMY	0.3333, 0.7294, 0.6274
CMYK	0.00, 0.59, 0.44, 0.33
HSL	345°, 42%, 47%
HSV	345°, 59%, 67%
XYZ	20.7712, 13.6285, 12.3623
YIQ	102.1630, 51.8500, 29.4980

Conversions

Conversions Part 2

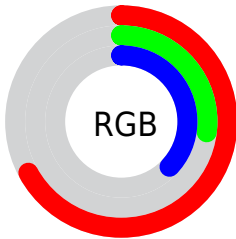
Format	Color
R_{YB}	170, 69, 95
Decimal	11158879
CIE Lab	43.70, 43.86, 6.08
CIE LCh	44, 44.281, 7.890
Yxy	13.6285, 0.4442, 0.2914
Android (android.graphics.Color)	4289348959 (0xFFAA455F)
YUV	102.1630, -3.5314, 59.4930
Hunter-Lab	36.9168, 35.8285, 5.9874

Details

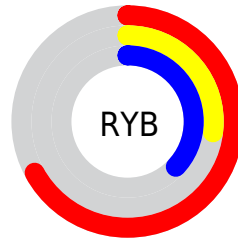
The XYZ color **20.7712, 13.6285, 12.3623** is a dark color, and the websafe version is hex **993366**. A complement of this color would be **21.8638, 32.0285, 31.4174**, and the grayscale version is **12.6719, 13.3318, 14.5183**.

A 20% lighter version of the original color is **44.2613, 32.3771, 30.7046**, and **7.6135, 4.0385, 3.2840** is the 20% darker color. If you saturate the color by 10%, you get **19.3431, 11.6175, 9.2808**, and if you desaturate by 10%, it is **22.5926, 16.2773, 16.0340**.

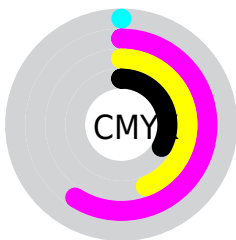
Distribution



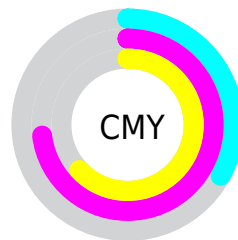
- Red (67%)
- Green (27%)
- Blue (37%)



- Red (67%)
- Yellow (27%)
- Blue (37%)



- Cyan (0%)
- Magenta (59%)
- Yellow (44%)
- Black (33%)



- Cyan (33%)
- Magenta (73%)
- Yellow (63%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 20.7712, 13.6285, 12.3623 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 20.7712, 13.6285, 12.3623 by changing the saturation by 10% instead.


 20.7712, 13.6285,
12.3623


 20.7712, 13.6285,
12.3623


248.8148,
214.9073, 217.8516


 13.0684, 7.8627,
6.8654


 44.2006, 32.4284,
30.8275


 7.5530, 4.0072,
3.3009


 60.6579, 46.2313,
44.6328

 3.8596, 1.6776,
1.2503

 80.7640, 63.4821,
62.0447

 1.6230, 0.4091,
0.0205

 104.8843, 84.5651,
83.4817

 0.4074, 0.0000,
0.0000

 133.3842,
109.8647, 109.3624

 0.0000, 0.0000,
0.0000

166.6290,

139.7653, 140.1052

204.9841,
174.6514, 176.1288

■ 20.7712, 13.6285,
12.3623

■ 20.7712, 13.6285,
12.3623

■ 19.3431, 11.6175,
9.2808

■ 22.5926, 16.2773,
16.0340

■ 18.2764, 10.1875,
6.7565

■ 24.8336, 19.6098,
20.3249

■ 17.5356, 9.2755,
4.7537

■ 27.5196, 23.6703,
25.2630

■ 17.0525, 8.7535,
3.2236

■ 30.6733, 28.4987,
30.8740

■ 17.0275, 8.7260,
3.1457

■ 34.3161, 34.1320,
37.1825

■ 38.4681, 40.6046,
44.2117

■ 43.1479, 47.9493,
51.9836

■ 48.3735, 56.1967,
60.5194

■ 54.1619, 65.3762,
69.8394

Harmonies

Analogous

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



20.1897, 13.6285, 23.2785



20.7712, 13.6285, 12.3623



18.9806, 13.6285, 5.9108

Triad

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



20.7712, 13.6285, 12.3623



9.2651, 13.6285, 4.2751



10.5958, 13.6285, 40.5961

Complementary

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



20.7712, 13.6285, 12.3623



21.8638, 32.0285, 31.4174

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.



8.3600, 13.6285, 29.9834



20.7712, 13.6285, 12.3623



7.6930, 13.6285, 8.7345

Square

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



20.7712, 13.6285, 12.3623



12.0570, 13.6285, 2.8040



7.3942, 13.6285, 17.6265



13.8933, 13.6285, 43.0442

Rectangle

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



20.7712, 13.6285, 12.3623



16.8434, 13.6285, 3.8100



7.3942, 13.6285, 17.6265



9.7139, 13.6285, 37.6922

Sweetspot

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



20.7716, 13.6292, 12.3625



56.3253, 52.7423, 57.1943



20.7236, 13.0050, 39.4480



12.1722, 11.1639, 12.0723



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



20.7716, 13.6292, 12.3625



34.4743, 20.2282, 15.4194



21.5287, 16.7294, 7.7256



7.6074, 7.5728, 8.2499



12.5456, 6.4270, 2.4188



0.3255, 0.1645, 0.1654

Inverse Universe

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



20.7716, 13.6292, 12.3625



34.4743, 20.2282, 15.4194



20.0563, 24.8597, 41.7713



7.6074, 7.5728, 8.2499



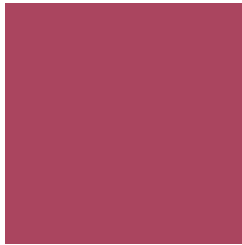
12.5456, 6.4270, 2.4188



0.3255, 0.1645, 0.1654

Previews

White Background



This preview shows how the XYZ color 20.7712, 13.6285, 12.3623 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 20.7712, 13.6285, 12.3623 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

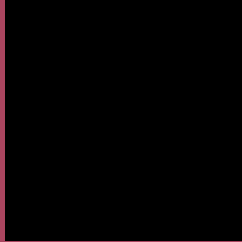
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 20.7712, 13.6285, 12.3623

Background



This preview shows how black text looks on a background with the XYZ color 20.7712, 13.6285, 12.3623.



This preview shows how white text looks on a background with the XYZ color 20.7712, 13.6285,

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

20.7712, 13.6285, 12.3623

Protanopia

13.4810, 13.7990, 17.8725

Deuteranopia

14.0104, 13.7745, 11.5932



Tritanopia

20.0191, 13.6056, 8.5922

Trichromacy



Original Color

20.7712, 13.6285, 12.3623

Protanomaly

15.1473, 13.0557, 15.6316

Deuteranomaly

15.9854, 13.3207, 11.8539

Tritanomaly

20.2157, 13.5816, 9.9435

Monochromacy



Original Color

20.7712, 13.6285, 12.3623

Achromatopsia

12.6291, 13.2868, 14.4694

Achromatomaly

14.6607, 12.7252, 13.4879

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.7712, 13.6285, 12.3623 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(170, 69, 95)` looks like.

```
.text, #text, p{  
    color:rgb(170, 69, 95)  
}
```

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(170, 69, 95) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 69, 95) }
```

Border

The CSS property to change the border of an element to XYZ 20.7712, 13.6285, 12.3623 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(170, 69, 95) }
```


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

```
.border{ border-color:rgb(170, 69, 95) }
```

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

Here you see how a box with a 4 pixel rgb(170, 69, 95) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 69, 95); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 69, 95);  
box-shadow:4px 4px 4px 4px rgb(170, 69,  
95) }
```

Background

The CSS property to change the background color of an element to XYZ 20.7712, 13.6285, 12.3623 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 69, 95) }
```

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

```
.background{ background-color: rgb(170, 69,  
95) }
```

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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